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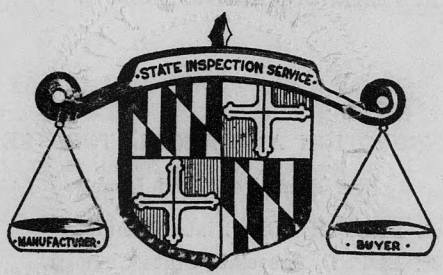
Control Series—Published Quarterly November Issue, 1931—No. 141

Commercial Fertilizers, Commercial Feeds

AND

Agricultural Liming Materials

The use of a chemical guarantee upon the sack is required by law. An unguaranteed package at once becomes a subject of suspicion. This bulletin deals with fertilizers, feeds and limes in relation to their guarantees without reference to their merits.



STATE INSPECTION SERVICE
Controlled by
UNIVERSITY OF MARYLAND
College Park, Md.

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Fertilizer, Feed and Lime

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GENERAL INTRODUCTION

The State Inspection Service of Maryland is charged with the enforcement of the Fertilizer, Feed and Lime laws. Most states have enacted such legislation and while they differ somewhat among themselves, they are in the main quite similar. The Maryland law requires that all fertilizers, feeds, and limes be registered with the Inspection Service before they are offered for sale in the State. These statutes further require that the guaranteed analyses must be shown on a fertilizer and lime sack and, in addition to this information, a list of ingredients from which the product is made must be included on feed packages. The duties of the Inspection Service may be briefly summarized as consisting of the registration of these products, the collection of samples, the laboratory examination of samples collected, the publication of results obtained, and the prosecution of violators of the laws.

Samples are collected by State inspectors. The process of sampling is not intricate, but it is extremely important. Unless a representative sample is secured, the chemical analysis means less than nothing. Samples are drawn with the aid of an instrument called a tryer. A core is taken from each package in which all levels from top to bottom are equally represented. A large proportion of the containers in any lot are sampled—never less than 20—if the lot consists of as many as 20 sacks. These cores are thoroughly mixed and a bottle full of the mixture is sealed by the inspector and delivered to the laboratory.

So far as feed examinations are concerned, a chemical examination is only indicative of the quality of the product rather than conclusive. It is possible to concoct a high-analysis feed which is still, from the standpoint of the feeder, a poor product. This is the chief reason for requiring the manufacturer to make known the ingredients he employs.

The publication of the results obtained by the chemists and microscopist serves a dual purpose. First, it furnishes prospective buyers with information which aids them in making their purchases, and second, it discourages the dishonest or careless manufacturer by giving him a great deal of unfavorable advertising.

This bulletin contains the results of our chemical examination on 438 samples of fertilizer and lime, as well as our reports covering the chemical and microscopical examination of 799 samples of feed. All of these samples were taken from goods intended for Maryland consumption during the period covering from May 1 to November 1, 1931.

THE NEW FERTILIZER LAW

The 1931 session of the Maryland Legislature enacted a new fertilizer law, effective January 1, 1932. The main changes embodied in the new statute provide that the nitrogen content of fertilizers must be stated in terms of nitrogen and not ammonia, as has been the custom in the past. The use of the term "nitrogen," rather than ammonia, has been adopted by 27 states throughout the Union, while 14 other states permit its use. Only two states now require the use of the term ammonia and prohibit the term nitrogen. Cooperation on the part of the fertilizer dealers and users in accepting this change is requested in order that confusion may not develop. (One per cent of nitrogen is equal to 1.22 per cent of ammonia.) It is also provided by regulation that the percentages of plant food must be expressed in whole units and that the analysis must be shown as part of the brand name.

Penalty provisions are included which will make it possible for the Control Official to enforce this law in such a manner as to insure the fullest protection to the fertilizer user and the legitimate manufacturer as well.

It is believed that the provisions of the new law and the regulations supplementing same will make it easier for farmers to determine the value of the various fertilizers that are offered for sale. It will also assist manufacturers in keeping down the cost of making and selling fertilizers.

In order that our fertilizer consumers may be entirely informed of the provisions of this new law, it is herewith submitted in its entirety.

FERTILIZER LAW OF MARYLAND

In Effect January 1, 1932

Section 1. The term "fertilizer" as used in this Act shall mean any commercial fertilizer, or any article, substance or mixture sold, offered or exposed for sale, for manurial purposes in the State of Maryland of which the selling price shall be more than $5.00 per ton of two thousand pounds, but shall not include ground gypsum, lime, ground limestone, ground shells, dung of all poultry or dung of domestic animals, in bulk, when sold as such and when not mixed with other fertilizer or fertilizer materials. The term "State Chemist" shall mean the professor in charge of the Chemical Department of the University of Maryland, who shall be ex-officio State Chemist. The term "brand" shall mean the full name, brand and trade-mark under which a fertilizer is sold, together with a statement of the percentage of the valuable ingredients contained in said fertilizer.

Sec. 2. That every manufacturer, jobber or manipulator of commercial fertilizer and materials used in the manufacture of the same, who may desire to sell or offer for sale in the State of Maryland such fertilizer or fertilizer materials before offering the same for sale shall file or register with the University of Maryland upon forms furnished by said university the

name of each and every brand of fertilizer which it is desired to sell in the said State by any said manufacturer, jobber or manipulator, or their agents, together with the name and address of said manufacturer, jobber or manipulator, and the guaranteed analysis of said fertilizer, stating the sources and the percentages thereof from which the nitrogen, phosphoric acid and potash are derived.

Before any person or firm shall sell or offer for sale any pure or mixed culture of micro-organism or other material to be used for promoting directly or indirectly the growth of higher plants, he or they shall secure a permit and shall file or register with the University of Maryland a statement under oath, specifying the composition of the substance, and the kind of micro-organisms contained therein which promotes the growth of higher plants, and they shall pay to the University of Maryland a permit and registration fee of $10.00 per brand. The University of Maryland shall have power to refuse or cancel such permit whenever any culture or micro-organisms or any other material used for promoting the growth of plants is sold under false or misleading claims.

Sec. 3. That every importer, manufacturer, manipulator, dealer or agent before selling, offering or exposing for sale, within the State of Maryland any fertilizer shall pay to the University of Maryland a fee of $10.00 per brand for each brand registered under Section 2 of this Act, and on or before December 31st of each year shall file with the university a statement, made under oath in due form of law, giving the total number of tons of fertilizer sold during that calendar year in the State of Maryland, and shall pay thereon an inspection tax of ten cents per ton; provided, however, goods sold in bulk to manufacturers, manipulators or mixers for resale shall not be subject to the said tax of ten cents per ton; provided, further, that where the tonnage tax paid in any one calendar year is in excess of the brand tax of $10.00 above provided the said brand tax shall be rebated; and provided further, that when any manufacturer, dealer or importer has paid the required inspection fee no other person selling the same goods under his name and brand shall be required to pay such fee.

Sec. 4. That every bag, barrel or package of fertilizer must bear plainly and conspicuously on the outside of same and every parcel or lot sold in bulk must be accompanied by a clear and true statement in legible print, in the order herein stated, the following:

The net weight of the contents of the package or lot in pounds;

Brand name or trade-mark;

Grade (as 2-10-2), namely, 2% of nitrogen, 10% phosphoric acid, and 2% potash.

Guaranteed analysis in percentages;

Total nitrogen;

Available phosphoric acid (P205);

Water soluble potash (K20);

Name and address of manufacturer.

In the case of unacidulated bone, tankage, fish or other animal or vegetable matter, used as fertilizer, it shall be lawful to guarantee the phosphoric acid as total phosphoric acid; provided, however, that in the statement of the guaranteed analysis the minimum percentage only of the valuable constituents shall be given. It shall be unlawful to brand as pure bone any mixture in which any part of the phosphoric acid is from sources other than bone.

Sec. 5. That it shall be unlawful to sell, offer or expose for sale for fertilizer purposes any raw or untreated leather, hair, wool waste, hoof, horn, tartar pomace, mora meal, either as such or mixed with other fertilizer materials; provided, however, that this section shall not apply to such material as has been treated in a manner to make available the essential fertilizer constituents which it may contain; and provided further, that the section shall not apply to the raw materials hereinbefore enumerated which are consigned to or offered for sale in bulk to manipulators or manufacturers of fertilizers.

Sec. 6. That the plant food content of each and every brand of fertilizer or fertilizer material filed with the University of Maryland must remain uniform for the period of registration, and in no case, even at a subsequent registration, shall the grade be lowered.

Sec. 7. That it shall be the duty of the University of Maryland to procure for analysis one or more samples in each year, as far as practicable, of all fertilizers sold, offered for sale or used in the State of Maryland, and the State Chemist, or any agent or representative, duly authorized by him, or by the University of Mayland, shall have the right to take samples from any lot or parcel of fertilizer in the possession or in the keeping of any manufacturer, manipulator, dealer, agent, consumer or transportation company in said State of Maryland, and it shall be the duty of the University of Maryland to publish at least semi-annually the results of the analysis made by the said university of the samples procured.

Sec. 8. Any purchaser of fertilizer or fertilizers, provided he is not a manufacturer or manipulator, or agent of the same, may have taken in the presence of a disinterested witness, a sample or samples of said fertilizer and forward the same with all transportation charges prepaid to the University of Maryland for analysis, provided that samples so taken shall be from unbroken bags or packages which have not been damaged or injured in transit, or by exposure, and which have not been in possession of the owner more than thirty (30) days; provided, further, that said samples be taken under such rules and regulations as may be prescribed by the University of Maryland; provided further, that every sample sent for analysis to the said university shall be fully described on forms to be furnished by said university free of charge, said description giving a full and complete statement of the time and place of sampling, of all marks on the bags or packages thereof, and of all the facts relating to the same, said description and statement shall be signed by the purchaser of the fertilizer, the person drawing the sample and the disinterested witness or witnesses as above provided.

Sec. 9. That it shall be the duty of the University of Maryland to analyze, upon request, without cost or charge, all samples of fertilizer sent to said university and taken in the manner prescribed in Section 8 of this Act. It shall be the further duty of the said university through its duly authorized agent, the State Chemist, appointed by the State Board of Agriculture, to at once make a full and complete analysis of the sample or samples received in accordance with this provision and within thirty (30) days thereafter return to such person or persons from whom the sample or samples were received a full and complete analysis of said sample or samples.

Sec. 10. Any importer, manufacturer, manipulator, dealer, agent or person who shall sell, offer or expose for sale, or distribute in this State, any fertilizer or fertilizer material except that sold in bulk to manufacturers, manipulators or mixers for resale without having attached thereto or printed thereon the statement as required by the provisions of this Act, or who shall impede, obstruct, hinder or otherwise prevent or attempt to prevent said State Chemist or his authorized agent in the performance of his duty in connection with the provisions of this Article, or

who shall sell, offer or expose for sale or distribute in this State any fertilizer as defined in Section 1 without complying with the requirements of the provisions of this Act, or who shall sell, offer or expose for sale or distribute in this State any fertilizer or fertilizer material containing a substantially smaller per cent. of nitrogen, phosphoric acid or potash than is certified to be contained therein, or who shall fail to properly state at the time or registration the ingredients and the percentages thereof used in its manufacture shall be deemed guilty of a violation of the provisions of this Article and upon conviction thereof shall be fined not more than one hundred ($100.00) dollars for the first violation and not less than fifty ($50.00) dollars for each subsequent violation. It shall be the duty of the State's Attorneys of the several counties of this State, assisted by the State Chemist or his authorized agent, to prosecute all violations of any of the provisions brought to their attention, said prosecutions to be in the name of the State of Maryland. It shall be the duty of the State Chemist to furnish upon request to any importer, manufacturer, manipulator, dealer or agent, or his or their duly authorized representative, a duplicate sample of any material declared by him to be deficient.

Sec. 11. If it appears that any of the provisions of this Act have been violated, the State Chemist shall certify the facts to the proper prosecuting attorney and furnish that officer with a copy of the result of the analysis or other examination of such fertilizer, duly authenticated by the analyst or other officer making the determination, under the oath of such officer; provided, that it shall appear from any such examination that any of the provisions of this Act have been violated the State Chemist shall cause notice to be given to the manufacturer or dealer from whom said sample was taken; any party so notified shall be given an opportunity to be heard in his defense under such rules and regulations as may be prescribed by the State Chemist before the facts shall be certified to the proper prosecuting attorney. In all prosecutions arising under the provisions of this Act certificates of the analyst or other officer making the examination or analysis, when duly sworn to by such officer, shall be prima facie evidence of the fact or facts therein certified.

Sec. 12. That the inspection and brand fees provided for in this Act shall be paid to the University of Maryland and disbursed by it to cover the cost of the analysis, inspection, sampling, printing and for the dissemination of information regarding the contents and the analysis of fertilizers subject to this Act, the use and compounding of commercial fertilizers, and the administration and the enforcement of the provisions of this Act, and such other expenses as may be incurred in the development of the chemical work at the University of Maryland in relationship to this Act.

Sec. 13. That the University of Maryland shall have authority to establish rules and regulations in regard to the inspection, analysis and sale of fertilizer and fertilizer materials not inconsistent with the recommendations of the Association of Official Agricultural Chemists and the publication of all information pertaining to and authorized by this Act to the end that the provisions of this Act may be effectively administered and enforced.

Sec. 14. That the brand fee as provided in this Act shall not apply to any fertilizer mixed according to a formula furnished by a consumer; provided, in lieu of the registration, all packages of fertilizers shall be plainly marked or tagged on the outside of the package with the words "Mixed to Order," together with a statement thereon of the guaranteed analysis, and in all the other particulars said mixed fertilizer shall conform to the provisions of this Act.

Sec. 15. That if any person, firm or corporation, subject to the provisions of this Act shall fail to file the statement required in Section No.

3 herein regarding the tons of fertilizer sold, and to pay the inspection fee, provided therefor in this Act, within sixty (60) days after the close of the calendar year, the same shall subject said person, firm or corporation, to a penalty, upon conviction, of one hundred dollars, and two hundred dollars for each subsquent week that said inspection fee remains unpaid. Prosecution therefor to be entrusted to State's Attorneys as in the preceding section provided and brought in the name of the State of Maryland, and the penalty recovered when paid to be turned into the fertilizer fund of the University of Maryland.

Sec. 16. *And be it further enacted,* That all laws or parts of laws in conflict with the provisions of this Act are hereby repealed. This Act shall take effect January 1, 1932.

TABLES

A detailed report of the results obtained in the inspection and analysis of fertilizers from May 1, 1931, to November 1, 1931, is contained in pages 10 to 24, inclusive.

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O		Comparative Value Per Ton Guaranteed	Comparative Value per Ton Found
				Insoluble		Available					
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND		
American Agricultural Chemical Co., New York, N. Y.											
A. A. 16% Superphosphate	Baltimore	....	....	....	**.60**	16.00	**16.80**	....	....	$12.80	**$13.53**
A. A. 16% Superphosphate	Baltimore	....	....	....	**.65**	16.00	**16.85**	....	....	12.80	**13.58**
A. A. 16% Superphosphate	Baltimore	....	....	....	**.95**	16.00	**16.65**	....	....	12.80	**13.46**
A. A. 16% Superphosphate	Baltimore	....	....	....	**1.45**	16.00	**16.65**	....	....	12.80	**13.54**
A. A. 16% Superphosphate	Baltimore	....	....	....	**2.05**	16.00	**16.15**	....	....	12.80	**13.23**
A. A. 16% Superphosphate	Baltimore	....	....	....	**2.05**	16.00	**16.15**	....	....	12.80	**13.23**
A. A. 16% Superphosphate	Baltimore	....	....	....	**1.20**	16.00	**17.40**	....	....	12.80	**14.10**
A. A. Basic Lime Phosphate	Baltimore	....	....	....	**2.40**	13.00	**14.40**	....	....	10.40	**11.88**
A. A. Basic Lime Phosphate	Baltimore	....	....	....	**2.45**	13.00	**14.35**	....	....	10.40	**11.85**
A. A. Basic Lime Phosphate	Baltimore	....	....	....	**2.90**	13.00	**13.90**	....	....	10.40	**11.56**
A. A. Acme Fertilizer	Baltimore	1.00	**1.08**	....	**1.35**	9.00	**9.25**	4.00	**4.00**	14.40	**15.12**
A. A. Acme Fertilizer	Baltimore	1.00	**1.19**	....	**1.20**	9.00	**9.50**	4.00	**4.36**	14.40	**16.03**
Agrico for Corn	Baltimore	3.00	**2.99**	....	**1.15**	10.00	**10.05**	6.00	**6.04**	24.80	**25.00**
Agrico for Grain	Baltimore	2.00	**2.12**	....	**1.00**	12.00	**12.40**	4.00	**4.10**	20.80	**21.83**
Agrico for Grain	Baltimore	2.00	**2.05**	....	**1.95**	12.00	**12.45**	4.00	**3.06**	20.80	**20.90**
Agrico for Grain	Baltimore	2.00	**2.06**	....	**2.05**	12.00	**12.35**	4.00	**3.20**	20.80	**20.99**
Agrico for Grain	Baltimore	2.00	**2.20**	....	**1.80**	12.00	**12.40**	4.00	**2.96**	20.80	**21.36**
A. A. Farmers Friend Fertilizer	Ellicott City	2.00	**1.98**	....	**2.00**	12.00	**12.80**	4.00	**4.00**	20.80	**21.66**
A. A. Kangaroo Komplete Kompound	Baltimore	2.00	**2.20**	....	**1.35**	9.00	**9.05**	3.00	**3.10**	17.60	**18.72**
A. A. Kangaroo Komplete Kompound	Ellicott City	2.00	**2.05**	....	**1.55**	9.00	**9.05**	3.00	**3.20**	17.60	**18.23**
A. A. Kangaroo Komplete Kompound	Baltimore	2.00	**2.18**	....	**1.40**	9.00	**9.10**	3.00	**3.40**	17.60	**18.93**
A. A. Neptune Fish Fertilizer	Hancock	1.00	**1.20**	....	**1.10**	9.00	**9.50**	4.00	**4.12**	14.40	**15.87**
A. A. Neptune Fish Fertilizer	Baltimore	1.00	**1.06**	....	**1.35**	9.00	**9.45**	4.00	**4.22**	14.40	**15.38**
Nitrate of Soda	Ellicott City	18.23	**18.96**	....	....	....	....	....	....	....	....
Pulverized Sheep and Goat Manure	Ellicott City	1.50	**2.25**	....	....	*1.00	***1.20**	2.00	**2.76**	8.20	**11.93**
Pure Raw Bone	Ellicott City	4.50	**5.05**	....	....	*20.60	***22.40**	....	....	30.36	**33.64**
A. A. Red Dog Fertilizer	Baltimore	2.00	**2.01**	....	**1.05**	8.00	**8.65**	5.00	**5.20**	18.40	**19.28**
A. A. Red Dog Fertilizer	Baltimore	2.00	**2.10**	....	**1.20**	8.00	**8.30**	5.00	**5.28**	18.40	**19.44**
A. A. Red Dog Fertilizer	Baltimore	2.00	**1.98**	....	**1.35**	8.00	**8.65**	5.00	**5.20**	18.40	**19.20**
A. A. Red Dog Fertilizer	Baltimore	2.00	**2.05**	....	**1.35**	8.00	**8.45**	5.00	**5.10**	18.40	**19.24**
A. A. Red Leaf Tobacco Fertilizer	Baltimore	4.00	**4.40**	....	**1.35**	8.00	**8.65**	10.00	**10.24**	30.40	**32.91**
A. A. Red Leaf Tobacco Fertilizer	Baltimore	4.00	**3.98**	....	**1.35**	8.00	**8.55**	10.00	**10.00**	30.40	**30.96**
Sulphate of Ammonia	Baltimore	24.50	**24.92**	....	....	....	....	....	....	....	....
Sulphate of Potash	Baltimore	....	....	....	....	....	....	48.00	**48.50**	....	....
A. A. Sweepstakes Tobacco Fertilizer	Baltimore	3.00	**3.14**	....	**1.20**	8.00	**8.60**	6.00	**6.00**	24.80	**25.60**

A. A. Red Dog Fertilizer	Baltimore	2.00	**1.98**	....	**1.35**	8.00	**8.65**	5.00	**5.20**	18.40	**19.20**
A. A. Red Dog Fertilizer	Baltimore	2.00	**2.05**	....	**1.35**	8.00	**8.45**	5.00	**5.10**	18.40	**19.24**
A. A. Red Leaf Tobacco Fertilizer	Baltimore	4.00	**4.40**	....	**1.35**	8.00	**8.65**	10.00	**10.24**	30.40	**32.91**
A. A. Red Leaf Tobacco Fertilizer	Baltimore	4.00	**3.98**	....	**1.35**	8.00	**8.55**	10.00	**10.00**	30.40	**30.96**
Sulphate of Ammonia	Baltimore	24.50	**24.92**	....	....	....	....	....	....	....	....
Sulphate of Potash	Baltimore	....	....	....	....	....	....	48.00	**48.50**	....	....
A. A. Sweepstakes Tobacco Fertilizer	Baltimore	3.00	**3.14**	....	**1.20**	8.00	**8.90**	3.00	**3.30**	20.80	**22.50**
A. A. Victory Mixture	Baltimore	....	....	....	**1.35**	12.00	**12.45**	5.00	**5.20**	13.60	**14.32**
Wheeler's 16% Superphosphate H. G.	Hancock	....	....	....	**1.45**	16.00	**16.55**	....	....	12.80	**13.46**
Anglo-Chilean Nitrate Sales Corp., New York, N. Y.											
Champion Brand Chilean Nitrate of Soda	Baltimore	19.45	**19.58**	....	....	....	....	....	....	....	....
Champion Brand Chilean Nitrate of Soda	Baltimore	19.45	**19.56**	....	....	....	....	....	....	....	....
Armour Fertilizer Works, Baltimore, Md.											
Big Crop Superphosphate	Baltimore	....	....	....	**.10**	16.00	**16.40**	....	....	12.80	**13.14**
Big Crop Superphosphate	Baltimore	....	....	....	**.15**	16.00	**16.65**	....	....	12.80	**13.34**
Big Crop Superphosphate	Williamsport	....	....	....	**.20**	16.00	**16.80**	....	....	12.80	**13.47**
Big Crop Fertilizer 4-8-4	Baltimore	....	....	....	**.40**	16.00	**16.50**	....	....	12.80	**13.26**
Big Crop Fertilizer 1-9-4	Baltimore	4.00	**3.98**	....	**.40**	8.00	**8.70**	4.00	**4.40**	25.60	**26.46**
Big Crop Fertilizer 1-9-4	Baltimore	1.00	**1.19**	....	**.15**	9.00	**9.65**	4.00	**4.18**	14.40	**15.84**
Sheep and Goat Manure	Providence	1.00	**1.14**	....	**.10**	9.00	**9.30**	4.00	**4.60**	14.40	**15.70**
Sheep and Goat Manure	Baltimore	1.50	**1.83**	....	....	*1.00	***2.30**	2.00	**2.00**	8.20	**10.30**
Big Crop Fertilizer 2-8-5	Baltimore	1.50	**1.72**	....	....	*1.00	***1.10**	2.00	**2.60**	8.20	**9.62**
Big Crop Fertilizer 2-8-5	Providence	2.00	**2.13**	....	**.40**	8.00	**8.60**	5.00	**5.04**	18.40	**19.49**
Big Crop Fertilizer 2-8-10	Salisbury	2.00	**2.08**	....	**.35**	8.00	**8.25**	5.00	**5.34**	18.40	**19.24**
Big Crop Fertilizer 2-12-4	Salisbury	2.00	**2.15**	....	**.20**	8.00	**8.40**	10.00	**10.24**	22.40	**23.54**
Big Crop Fertilizer 0-12-5	Mt. Lake Park	2.00	**2.06**	....	**.60**	12.00	**12.00**	4.00	**4.36**	20.80	**21.42**
Big Crop Fertilizer 0-12-5	Providence	....	....	....	**.50**	12.00	**12.50**	5.00	**5.00**	13.60	**14.08**
Big Crop Tobacco Special 4-8-12	Salisbury	....	....	....	**.15**	12.00	**12.65**	5.00	**4.70**	13.60	**13.90**
	Baltimore	4.00	**3.79**	....	**.10**	8.00	**8.70**	12.00	**12.40**	32.00	**32.06**
Associated Chemical Co., Baltimore, Md.											
Kainit	Baltimore	....	....	....	....	....	....	14.00	**13.72**	....	....
Fine Bone Meal	Owings Mills	3.00	**3.79**	....	....	*23.00	***19.40**	....	....	25.80	**26.80**
Pure Raw Bone	Baltimore	4.50	**4.61**	....	....	*20.00	***20.10**	....	....	30.00	**30.50**
Baltimore Fertilizer Co., Baltimore, Md.											
Honest 16% Superphosphate	Baltimore	....	....	....	**.70**	16.00	**16.00**	....	....	12.80	**12.91**
Honest 1-9-4	Glyndon	1.00	**.99**	....	**.40**	9.00	**9.00**	4.00	**4.24**	14.40	**14.61**
Honest 1-9-4	Baltimore	1.00	**1.40**	....	**1.05**	9.00	**9.45**	4.00	**4.20**	14.40	**16.68**
Honest 3-8-5	Baltimore	3.00	**3.07**	....	**1.85**	8.00	**8.35**	5.00	**5.28**	22.40	**23.46**
Honest 2-8-5	Glyndon	2.00	**1.78**	....	**.20**	8.00	**8.90**	5.00	**5.00**	18.40	**18.27**
Honest 2-8-5	Baltimore	2.00	**2.20**	....	**.60**	8.00	**8.70**	5.00	**5.40**	18.40	**20.17**
Old Honesty	Baltimore	2.00	**2.41**	....	**1.20**	8.00	**7.40**	5.00	**5.34**	18.40	**19.98**
	Glyndon	1.00	**1.06**	....	**.35**	11.00	**10.55**	2.00	**2.20**	14.40	**14.49**

* Total phosphoric acid.

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O		Comparative Value Per Ton Guaranteed	Comparative Value per Ton Found
				Insoluble		Available					
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND		
Baugh & Sons Co., Baltimore, Md.											
Baughphos The Ideal 20% Superphosphate	Denton	....	....	....	**.95**	20.00	**20.15**	....	....	$16.00	**$16.26**
Baughphos The Ideal 16% Superphosphate	Baltimore	....	....	....	**1.40**	16.00	**16.20**	....	....	12.80	**13.17**
Buaghphos The Ideal 16% Superphosphate	Denton	....	....	....	**1.40**	16.00	**17.30**	....	....	12.80	**14.05**
Buaghphos The Ideal 16% Superphosphate	Baltimore	....	....	....	**.80**	16.00	**16.60**	....	....	12.80	**13.40**
Baughphos The Ideal 16% Superphosphate	Baltimore	....	....	....	**.95**	16.00	**17.55**	....	....	12.80	**14.18**
Lime and Phosphate	Baltimore	....	....	....	**1.40**	14.00	**14.30**	....	....	11.20	**11.65**
Animal Base and Potash Compound	Grantsville	2.00	**2.15**	....	**1.05**	9.00	**9.15**	3.00	**3.16**	17.60	**18.61**
Commercial Crop Compound	Providence	2.00	**2.24**	....	**1.35**	8.00	**8.35**	10.00	**10.40**	22.40	**24.16**
Complete Animal Base Fertilizer	Baltimore	2.00	**2.12**	....	**.45**	8.00	**8.55**	5.00	**5.30**	18.40	**19.63**
Complete Animal Base Fertilizer	Baltimore	2.00	**2.00**	....	**.50**	8.00	**8.20**	5.00	**5.20**	18.40	**18.80**
Complete Animal Base Fertilizer	Forest Hill	2.00	**2.18**	....	**1.15**	8.00	**8.25**	5.00	**5.20**	18.40	**19.65**
Complete Animal Base Fertilizer	Providence	2.00	**2.10**	....	**.50**	8.00	**8.70**	5.00	**5.32**	18.40	**19.70**
Complete Animal Base Fertilizer	Boonsboro	2.00	**2.10**	....	**.60**	8.00	**8.70**	5.00	**5.26**	18.40	**19.66**
Complete Animal Base Fertilizer	Denton	2.00	**2.00**	....	**1.00**	8.00	**8.40**	5.00	**5.32**	18.40	**19.13**
Complete Animal Base Fertilizer	Manchester	2.00	**2.03**	....	**1.05**	8.00	**8.35**	5.00	**5.20**	18.40	**19.12**
Double Eagle Phosphate	Baltimore	2.00	**2.10**	....	**1.10**	12.00	**12.10**	4.00	**4.72**	20.80	**22.03**
Double Eagle Phosphate	Forest Hill	2.00	**2.22**	....	**1.20**	12.00	**12.70**	4.00	**4.60**	20.80	**22.90**
Double Eagle Phosphate	Boonsboro	2.00	**2.10**	....	**1.40**	12.00	**12.30**	4.00	**4.10**	20.80	**21.73**
Double Eagle Phosphate	Denton	2.00	**2.12**	....	**1.25**	12.00	**12.55**	4.00	**4.38**	20.80	**22.21**
Excelsior Guano	Baltimore	1.00	**1.19**	....	**.95**	9.00	**9.65**	4.00	**4.10**	14.40	**15.90**
Excelsior Guano	Baltimore	1.00	**1.11**	....	**.90**	9.00	**9.50**	4.00	**4.08**	14.40	**15.44**
Excelsior Guano	Baltimore	1.00	**1.16**	....	**1.10**	9.00	**9.30**	4.00	**4.34**	14.40	**15.72**
Excelsior Guano	Baltimore	1.00	**1.18**	....	**1.15**	9.00	**9.75**	4.00	**4.00**	14.40	**15.89**
Excelsior Guano	Denton	1.00	**1.11**	....	**.95**	9.00	**9.55**	4.00	**4.40**	14.40	**15.74**
Fish Bone and Potash	Baltimore	4.00	**4.20**	....	**.70**	8.00	**8.70**	4.00	**4.32**	25.60	**27.33**
4-8-12 for Tobacco	Baltimore	4.00	**4.15**	....	**.95**	8.00	**9.15**	12.00	**12.00**	32.00	**33.66**
4-8-10 for Tobacco	Baltimore	4.00	**4.20**	....	**1.65**	8.00	**8.15**	10.00	**10.00**	30.40	**31.57**
4-8-10 for Tobacco	Baltimore	4.00	**4.01**	....	**1.55**	8.00	**8.25**	10.00	**10.34**	30.40	**31.14**
4-8-7 for Tobacco	Baltimore	4.00	**4.20**	....	**1.00**	8.00	**8.80**	7.00	**7.00**	28.00	**29.59**
Genuine Imported Kainit	Denton	....	....	....	....	....	....	14.00	**15.40**	....	....
Genuine Imported Kainit	Baltimore	....	....	....	....	....	....	14.00	**14.40**	....	....
Muriate of Potash	Denton	....	....	....	....	....	....	48.00	**53.40**	....	....
Raw Bone Meal	Baltimore	4.50	**5.77**	....	....	*21.50	***23.40**	....	....	30.90	**37.12**
Raw Bone Meal	Denton	4.50	**4.54**	....	....	*21.50	***23.50**	....	....	30.90	**32.26**
12 and 5 Phosphate and Potash Mixture	Denton										

Genuine Imported Kainit	Denton	....	....	....	....	....	....	14.00	**15.40**	....	....
Genuine Imported Kainit	Baltimore	....	....	....	....	....	....	14.00	**14.40**	....	....
Muriate of Potash	Denton	....	....	....	....	....	....	48.00	**53.40**	....	....
Raw Bone Meal	Baltimore	4.50	**5.77**	....	....	*21.50	***23.40**	....	....	30.90	**37.12**
Raw Bone Meal	Denton	4.50	**4.54**	....	....	*21.50	***23.50**	....	....	30.90	**32.26**
12 and 5 Phosphate and Potash Mixture	Denton	....	....	....	**.95**	12.00	**12.75**	5.00	**5.40**	13.60	**14.66**
10 and 10 Phosphate and Potash Mixture	Denton	....	....	....	**.85**	10.00	**11.05**	10.00	**10.02**	16.00	**16.99**
2-8-10 for Tobacco	Baltimore	2.00	**2.20**	....	**.85**	8.00	**8.65**	10.00	**10.28**	22.40	**24.07**
2-8-10 for Tobacco	Baltimore	2.00	**2.03**	....	**.60**	8.00	**8.10**	10.00	**10.36**	22.40	**22.98**
Special Tobacco Guano	Baltimore	4.00	**4.04**	....	**1.10**	8.00	**8.50**	4.00	**4.20**	25.60	**26.49**
7-6-5	Sykesville	7.00	**6.99**	....	**1.00**	6.00	**7.00**	5.00	**5.22**	36.80	**37.89**
Wheat Fertilizer for Wheat and Grass	Baltimore	2.00	**2.10**	....	**.85**	9.00	**9.15**	3.00	**3.34**	17.60	**18.52**
Wheat Fertilizer for Wheat and Grass	Baltimore	2.00	**2.18**	....	**.70**	9.00	**9.40**	3.00	**3.00**	17.60	**18.75**
Yucatan Tobacco Guano	Baltimore	3.00	**3.07**	....	**.80**	8.00	**8.20**	3.00	**3.30**	20.80	**21.60**
Yucatan Tobacco Guano	Baltimore	3.00	**3.43**	....	**.95**	8.00	**8.65**	3.00	**3.41**	20.80	**23.51**
Belt Seed Co., Inc., Baltimore, Md.											
Lawnspur	Baltimore	5.00	**5.65**	....	**.30**	10.00	**10.20**	5.00	**4.80**	32.00	**34.65**
J. Bolgiano Seed Co., Baltimore, Md.											
Blood Meal	Baltimore	16.00	**16.44**	....	....	....	....	....	....	....	....
Blood Meal	Baltimore	16.00	**16.42**	....	....	....	....	....	....	....	....
Bone Meal	Baltimore	3.00	**4.66**	....	....	*22.00	***24.40**	....	....	25.20	**33.28**
Bone Meal	Baltimore	3.00	**4.69**	....	....	*22.00	***25.10**	....	....	25.20	**33.82**
Herbert Bryant's Son, Alexandria, Va.											
Genuine Fish and Potash	Gaithersburg	2.00	**2.00**	....	**1.55**	9.00	**9.65**	2.00	**2.36**	16.80	**17.84**
Central Chemical Co., Inc., Hagerstown, Md.											
"MBW"16% Superphosphate	Baltimore	....	....	....	**.60**	16.00	**14.90**	....	....	12.80	**12.01**
"Gro-All" Superphosphate	Frederick	....	....	....	**1.70**	16.00	**15.80**	....	....	12.80	**12.90**
"Gro-All" Big Twenty	Frederick	2.00	**2.06**	....	**.25**	11.00	**11.05**	7.00	**7.44**	22.40	**23.07**
"MBW" Caroline Special	Baltimore	1.00	**1.11**	....	**.65**	10.00	**10.05**	4.00	**4.10**	15.20	**15.86**
"Gro-All" Crown Jewel	Frederick	1.00	**1.04**	....	**1.00**	9.00	**9.10**	4.00	**4.40**	14.40	**15.11**
"Gro-All" Excelsior	Frederick	2.00	**2.18**	....	**.55**	8.00	**8.05**	5.00	**5.30**	18.40	**19.48**
"Gro-All" Excelsior	Thurmont	2.00	**2.17**	....	**.80**	8.00	**8.30**	5.00	**5.40**	18.40	**19.76**
"Gro-All" Excelsior	Motters	2.00	**2.00**	....	**.40**	8.00	**8.80**	5.00	**4.76**	18.40	**18.91**
"Gro-All" Potash Special	Frederick	....	....	....	**1.25**	12.00	**11.55**	5.00	**5.76**	13.60	**14.04**
"MBW" 0-12-5	Baltimore	....	....	....	**.65**	12.00	**12.25**	5.00	**5.20**	13.60	**14.06**
Chewsville Cooperative Asso., Chewsville, Md.											
Superphosphate	Chewsville	....	....	....	**.10**	16.00	**17.00**	....	....	12.80	**13.62**
Golden Harvest	Chewsville	2.00	**2.27**	....	**1.00**	10.00	**10.70**	5.00	**5.40**	20.00	**22.11**
Phosphate and Potash	Chewsville	....	....	....	**1.00**	12.00	**13.00**	5.00	**4.68**	13.60	**14.29**
Super Grain and Grass Grower	Chewsville	4.00	**4.08**	....	**1.15**	12.00	**12.05**	8.00	**8.00**	32.00	**32.53**

* Total phosphoric acid.

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O		Comparative Value Per Ton Guaranteed	Comparative Value per Ton Found
				Insoluble		Available					
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND		
Clark & Owings, Ellicott City, Md.											
Mixture "D"	Ellicott City	2.00	**2.20**	....	**.70**	9.00	**10.20**	2.00	**2.40**	$16.80	**$18.99**
Devilbiss Bros., New Windsor, Md.											
Acid Phosphate	New Windsor	....	....	....	**.10**	16.00	**17.30**	....	....	12.80	**13.86**
Butcher House 1-10-5	New Windsor	1.00	**1.19**	....	**.45**	10.00	**10.75**	5.00	**6.30**	16.00	**18.47**
2-8-5 Fertilizer	New Windsor	2.00	**2.17**	....	**.10**	8.00	**10.80**	5.00	**5.94**	18.40	**22.09**
Wheat Grower	New Windsor	1.00	**1.19**	....	**.65**	9.00	**10.45**	3.00	**3.60**	13.60	**16.10**
Dorchester Fertilizer Co., Cambridge, Md.											
Crab Mixture	Cambridge	2.00	**1.93**	....	**.10**	8.00	**8.50**	6.00	**6.40**	19.20	**19.66**
Crab Mixture	Cambridge	2.00	**2.18**	....	**.80**	8.00	**8.00**	6.00	**6.30**	19.20	**20.28**
Dorco Choice	Cambridge	2.00	**2.20**	....	**.90**	9.00	**9.00**	7.00	**7.10**	20.80	**21.82**
Dorco Jewel	Cambridge	5.00	**5.12**	....	**.10**	8.00	**8.30**	12.00	**12.30**	36.00	**36.98**
Dorco Regal	Cambridge	5.00	**4.98**	....	**.10**	7.00	**7.60**	7.00	**7.40**	31.20	**31.94**
Dorco Royal	Cambridge	3.00	**3.36**	....	**1.25**	8.00	**8.35**	9.00	**9.40**	25.60	**27.83**
Fish Special	Cambridge	2.00	**2.12**	....	**.80**	10.00	**10.00**	3.00	**3.84**	18.40	**19.67**
Harvest	Cambridge	....	....	....	**.55**	12.00	**12.45**	5.00	**5.10**	13.60	**14.12**
Leader	Cambridge	....	....	....	**.45**	13.00	**13.25**	7.00	**7.64**	16.00	**16.78**
Merit	Cambridge	....	....	....	**.95**	9.00	**9.15**	6.00	**6.80**	12.00	**12.90**
Our Special	Cambridge	2.00	**1.98**	....	**.65**	8.00	**9.15**	5.00	**5.40**	18.40	**19.66**
Our Special	Cambridge	2.00	**2.10**	....	**.75**	8.00	**8.05**	5.00	**5.18**	18.40	**19.09**
Standard	Cambridge	....	....	....	**.90**	10.00	**10.00**	10.00	**10.32**	16.00	**16.40**
Trucker	Cambridge	5.00	**5.20**	....	**.10**	8.00	**8.18**	5.00	**7.42**	30.40	**33.30**
Winner	Cambridge	....	....	....	**.45**	12.00	**12.05**	6.00	**6.80**	14.40	**15.15**
Edelen Brothers, Baltimore, Md.											
Red Tobacco	Baltimore	3.00	**3.14**	....	**.15**	8.00	**8.75**	10.00	**10.30**	26.40	**27.82**
Red Tobacco	Baltimore	3.00	**3.09**	....	**.10**	8.00	**8.80**	10.00	**10.30**	26.40	**27.66**
Wheat and Grain Mixture	Baltimore	2.00	**2.00**	....	**1.10**	8.00	**7.80**	5.00	**5.36**	18.40	**18.70**
Wheat and Grain Mixture	Baltimore	2.00	**2.05**	....	**1.35**	8.00	**8.05**	5.00	**5.16**	18.40	**18.97**
Wheat and Grain Mixture	Baltimore	2.00	**2.06**	....	**1.15**	8.00	**8.05**	5.00	**5.20**	18.40	**19.01**
Wheat and Grain Mixture	Baltimore	2.00	**2.18**	....	**.25**	8.00	**8.65**	5.00	**5.40**	18.40	**20.00**
Farmers Cooperative Asso., Inc., Frederick, Md.											
Superphosphate	Frederick	....	....	....	**1.05**	16.00	**16.75**	....	....	12.80	**13.56**
Sure Crop	Frederick	2.00	**2.73**	....	**.50**	12.00	**11.60**	6.00	**7.37**	22.40	**26.18**
Rock and Potash Special	Frederick	....	....	....	**.55**	12.00	**13.45**	5.00	**5.40**	13.60	**15.16**

Wheat and Grain Mixture	Baltimore	2.00	2.05	....	1.35	8.00	8.05	5.00	5.16	18.40	18.97
Wheat and Grain Mixture	Baltimore	2.00	2.06	....	1.15	8.00	8.05	5.00	5.20	18.40	19.01
Wheat and Grain Mixture	Baltimore	2.00	2.18	....	.25	8.00	8.65	5.00	5.40	18.40	20.00
Farmers Cooperative Asso., Inc., Frederick, Md.											
Superphosphate	Frederick	....	....	....	1.05	16.00	16.75	....	....	12.80	13.56
Sure Crop	Frederick	2.00	2.73	....	.50	12.00	11.60	6.00	7.37	22.40	26.18
Rock and Potash Special	Frederick	....	....	....	.55	12.00	13.45	5.00	5.40	13.60	15.16
Wheat and Grass Special	Frederick	2.00	2.00	....	.70	8.00	9.20	5.00	6.70	18.40	20.83
Farmers Fertilizer & Feed Co., Westminster, Md.											
Acid Phosphate	Westminster	....	....	....	.80	16.00	16.50	....	....	12.80	13.32
Acid and Potash	Westminster	....	....	....	.95	12.00	12.45	5.00	5.00	13.60	14.10
Farmers Favorite	Westminster	1.00	1.20	....	.80	10.00	10.10	5.00	5.00	16.00	17.00
Potash Special	Westminster	2.00	2.03	....	.35	8.00	8.05	10.00	9.60	22.40	22.29
Potato Grower	Westminster	2.00	2.20	....	.70	8.00	8.50	5.00	5.22	18.40	19.89
XX Fertilizer	Westminster	1.00	1.20	....	1.15	9.00	9.35	3.00	3.34	13.60	15.12
XXX Fertilizer	Westminster	1.00	1.18	....	1.00	9.00	9.20	4.00	4.36	14.40	15.72
Farmers & Planters Co., Salisbury, Md.											
Corn Grower	Salisbury	1.00	1.19	....	2.00	9.00	9.00	4.00	4.84	14.40	16.13
Early Truck	Salisbury	4.00	3.99	....	1.60	8.00	8.10	4.00	4.38	25.60	26.18
Fish and Potash	Salisbury	2.00	1.86	....	.70	8.00	8.08	10.00	9.60	22.40	21.69
High Grade 5%	Salisbury	5.00	5.00	....	.95	7.00	7.08	5.00	5.40	29.60	30.12
Rock and Kainit	Salisbury	....	....	....	.10	7.00	7.10	5.00	7.78	9.60	11.92
Special Fish Mixture	Salisbury	2.00	2.01	....	.70	8.00	8.24	5.00	5.78	18.40	19.36
Sweet Potato Special	Salisbury	3.00	2.99	....	.85	8.00	8.02	7.00	7.10	24.00	24.19
X. X. Potash Mixture	Salisbury	4.00	3.98	....	1.25	7.00	8.05	10.00	10.00	29.60	30.55
Griffith & Boyd Co., Baltimore, Md.											
Accomac Trucker	Baltimore	5.00	4.56	....	.25	6.00	6.75	5.00	5.80	28.80	28.32
Farmers Potato Manure	Baltimore	1.00	1.18	....	.25	8.00	8.05	6.00	6.40	15.20	16.32
Gilt Edge Crop Guano	Baltimore	2.00	2.05	....	.50	8.00	8.70	10.00	10.00	22.40	23.24
High Grade Fish and Potash Mixture	Baltimore	2.00	2.05	....	1.05	12.00	12.05	8.00	8.38	24.00	24.70
Pure Fine Ground Bone Meal	Baltimore	4.50	4.78	....	....	*20.00	*20.20	....	....	30.00	31.24
Special Guano	Port Deposit	2.00	2.15	....	.40	8.00	8.40	5.00	5.02	18.40	19.40
Griffith & Turner Co., Baltimore, Md.											
Ammoniated Alkaline Plant Food	Baltimore	1.00	1.19	....	.65	6.00	6.05	1.50	1.52	10.00	10.92
Butchers Bone	Baltimore	1.25	1.37	....	.65	9.00	8.25	1.50	1.60	13.40	13.46
Soft Ground Bone	Baltimore	3.00	2.83	....	....	*11.00	*11.60	....	....	18.60	18.28
Special Potato	Baltimore	1.00	1.04	....	.50	9.00	8.40	4.00	4.00	14.40	14.16
Hampstead Fertilizer Co., Hampstead, Md.											
1-8-4	Hampstead	1.00	1.02	....	.65	8.00	8.55	4.00	4.08	13.60	14.28
2-8-5	Hampstead	2.00	1.98	....	.65	8.00	8.15	5.00	5.34	18.40	18.81
2-8-10	Hampstead	2.00	2.03	....	.15	8.00	9.35	10.00	9.28	22.40	23.04

* Total phosphoric acid.

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O		Comparative Value Per Ton Guaranteed	Comparative Value per Ton Found
				Insoluble		Available					
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND		
Hubbard Fertilizer Co., Baltimore, Md.											
Money Maker Fertilizer	Maple Grove	2.00	**2.00**	....	**.85**	8.00	**7.85**	5.00	**5.32**	$18.40	**$18.67**
Huston, Culver & Co., Seaford, Del.											
Double Potash Mixture	Federalsburg	....	....	....	**.15**	12.00	**11.65**	5.00	**6.40**	13.60	**14.46**
Huston, Culver & Co., 5%	Federalsburg	5.00	**5.02**	....	**.35**	8.00	**8.15**	5.00	**7.50**	30.40	**32.65**
Huston Special	Federalsburg	1.00	**1.21**	....	**.30**	9.00	**8.30**	4.00	**4.34**	14.40	**15.00**
Sweet Potato Mixture	Federalsburg	3.00	**3.48**	....	**.75**	8.00	**8.65**	8.00	**8.00**	24.80	**27.35**
Koppers Products Co., Pittsburgh, Pa.											
Velvet Lawn Sulphate of Ammonia	Baltimore	25.25	**25.38**	....	....	....	....	....	....	....	....
Manuro Products Co., Baltimore, Md.											
Manuro	Baltimore	.95	**.96**	....	....	*.60	***.70**	.50	**.56**	....	....
Maryland Milling & Supply Co., Sykesville, Md.											
Superphosphate H. G.	Sykesville	....	....	....	**.10**	16.00	**17.00**	....	....	12.80	**13.62**
Superphosphate H. G.	Sykesville	....	....	....	**.40**	16.00	**16.30**	....	....	12.80	**13.10**
Dietrich's Favorite	Sykesville	1.00	**1.16**	....	**.75**	8.00	**8.25**	4.00	**4.40**	13.60	**14.87**
Forthman's Special	Sykesville	5.00	**3.90**	....	**.15**	8.00	**9.15**	5.00	**5.00**	30.40	**26.94**
Newman's Favorite	Sykesville	2.00	**2.39**	....	**.60**	8.00	**8.70**	5.00	**5.18**	18.40	**20.75**
Newman's Favorite	Sykesville	2.00	**1.98**	....	**.70**	8.00	**8.60**	5.00	**5.30**	18.40	**19.15**
1931 Mixture	Sykesville	2.00	**2.10**	....	**.20**	12.00	**13.10**	4.00	**4.00**	20.80	**22.11**
Phosphate and Potash	Sykesville	....	....	....	**.20**	12.00	**13.00**	5.00	**4.80**	13.60	**14.27**
Phosphate and Potash	Sykesville	....	....	....	**.25**	12.00	**12.65**	5.00	**5.16**	13.60	**14.29**
Massey & Wilmer, Chestertown, Md.											
0-12-5	Chestertown	....	....	....	**1.25**	12.00	**12.15**	5.00	**6.00**	13.60	**14.71**
Tom Jr.	Chestertown	5.00	**5.20**	....	**1.25**	8.00	**8.05**	5.00	**5.40**	30.40	**31.75**
Medford Fert. Works, Medford, Md.											
1-8-5	Medford	1.00	**1.16**	....	**.30**	8.00	**8.00**	5.00	**5.80**	14.40	**15.73**
1-10-5	Medford	1.00	**1.01**	....	**.90**	10.00	**10.10**	5.00	**5.34**	16.00	**16.53**
2-8-5	Medford	2.00	**1.77**	....	**2.55**	8.00	**8.95**	5.00	**5.40**	18.40	**18.94**

Medford Fert. Works, Medford, Md.											
1-8-5	Medford	1.00	**1.16**	....	**.30**	8.00	**8.00**	5.00	**5.80**	14.40	**15.73**
1-10-5	Medford	1.00	**1.01**	....	**.90**	10.00	**10.10**	5.00	**5.34**	16.00	**16.53**
2-8-5	Medford	2.00	**1.77**	....	**2.55**	8.00	**8.95**	5.00	**5.40**	18.40	**18.94**
0-12-5	Medford	....	....	....	**.90**	12.00	**11.70**	5.00	**5.38**	13.60	**13.80**
Fred'k Mehring Fert. Works, Inc., Keymar, Md.											
Superphosphate 20%	Middleburg	....	....	....	**.50**	20.00	**21.40**	....	....	16.00	**17.20**
Superphosphate 16%	Linwood	....	....	....	**.75**	16.00	**16.05**	....	....	12.80	**12.95**
Superphosphate 16%	Keymar	....	....	....	**1.15**	16.00	**17.15**	....	....	12.80	**13.89**
Big 4	Linwood	1.00	**1.09**	....	**1.85**	9.00	**9.15**	4.00	**4.80**	14.40	**15.80**
Big 4	Middleburg	1.00	**1.04**	....	**1.55**	9.00	**9.05**	4.00	**5.66**	14.40	**16.16**
Big 4	Keymar	1.00	**1.14**	....	**2.10**	9.00	**9.10**	4.00	**5.24**	14.40	**16.35**
Indian Chief	Woodsboro	1.00	**1.02**	....	**1.65**	9.00	**9.35**	4.00	**4.92**	14.40	**15.75**
Mammoth Truck Grower	Keymar	2.00	**2.08**	....	**.85**	12.00	**12.85**	6.00	**6.84**	22.40	**24.20**
Mammoth Truck Grower	Linwood	2.00	**2.00**	....	**1.05**	8.00	**8.55**	5.00	**5.22**	18.40	**19.18**
Mammoth Truck Grower	Keymar	2.00	**2.05**	....	**1.35**	8.00	**8.15**	5.00	**5.40**	18.40	**19.24**
Mammoth Truck Grower	Woodsboro	2.00	**1.98**	....	**1.60**	8.00	**7.80**	5.00	**5.90**	18.40	**19.12**
Potash Mixture	Keymar	....	....	....	**1.00**	12.00	**13.30**	5.00	**5.00**	13.60	**14.79**
Miller Fertilizer Co., Baltimore, Md.											
Grass and Grain	Elkton	2.00	**2.32**	....	**.75**	9.00	**9.05**	3.00	**3.38**	17.60	**19.33**
Harvest Queen	Mt. Airy	1.00	**1.13**	....	**.50**	9.00	**9.60**	4.00	**4.30**	14.40	**15.72**
Harvest Queen	Elkton	1.00	**1.18**	....	**.65**	9.00	**9.25**	4.00	**4.36**	14.40	**15.71**
Harvest Queen	Linwood	1.00	**1.11**	....	**.50**	9.00	**9.20**	4.00	**4.40**	14.40	**15.40**
Harvest Queen	Baltimore	1.00	**1.18**	....	**.35**	9.00	**9.95**	4.00	**4.20**	14.40	**16.09**
2-8-5	Mt. Airy	2.00	**2.18**	....	**.55**	8.00	**8.15**	5.00	**5.30**	18.40	**19.56**
2-8-5	Elkton	2.00	**2.06**	....	**.70**	8.00	**8.30**	5.00	**5.10**	18.40	**19.07**
2-8-5	Denton	2.00	**2.13**	....	**.95**	8.00	**8.05**	5.00	**5.10**	18.40	**19.18**
2-8-5	Lewistown	2.00	**2.20**	....	**.60**	8.00	**8.40**	5.00	**5.10**	18.40	**19.69**
2-8-5	Fowblesburg	2.00	**1.98**	....	**.30**	8.00	**8.10**	5.00	**5.00**	18.40	**18.45**
2-8-5	Owings Mills	2.00	**2.05**	....	**.55**	8.00	**8.05**	5.00	**5.36**	18.40	**19.01**
2-12-4	Baltimore	2.00	**2.18**	....	**.60**	8.00	**8.60**	5.00	**4.20**	18.40	**19.05**
2-12-4	Baltimore	2.00	**2.20**	....	**.70**	12.00	**11.80**	4.00	**4.40**	20.80	**21.87**
0-12-5	Fowblesburg	2.00	**2.00**	....	**.70**	12.00	**11.60**	4.00	**4.80**	20.80	**21.23**
3-10-6	Elkton	....	....	....	**.65**	12.00	**12.75**	5.00	**5.10**	13.60	**14.38**
	Lewistown	3.00	**2.99**	....	**.45**	10.00	**10.05**	6.00	**6.20**	24.80	**25.03**
N. V. Potash Export My., Inc., New York, N. Y.											
Muriate of Potash	Baltimore	....	....	....	....	....	....	48.00	**48.20**	....	....
Sulfate of Potash	Baltimore	....	....	....	....	....	....	48.00	**48.70**	....	....
Sulfate of Potash	Baltimore	....	....	....	....	....	....	48.00	**50.00**	....	....

* Total Phosphoric Acid.

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O		Comparative Value Per Ton Guaranteed	Comparative Value per Ton Found
				Insoluble		Available					
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND		
G. Ober & Sons Co., Baltimore, Md.											
Superphosphate H. G.	Baltimore	....	....	....	**1.55**	16.00	**16.45**	....	....	$12.80	**$13.39**
Superphosphate H. G.	Baltimore	....	....	....	**1.65**	16.00	**16.75**	....	....	12.80	**13.65**
Superphosphate H. G.	Baltimore	....	....	....	**1.45**	16.00	**16.05**	....	....	12.80	**13.06**
Superphosphate H. G.	Baltimore	....	....	....	**2.15**	16.00	**16.05**	....	....	12.80	**13.16**
Superphosphate H. G.	Baltimore	....	....	....	**1.95**	16.00	**16.05**	....	....	12.80	**13.13**
Bone Mixture	Baltimore	2.00	**2.10**	....	....	*9.00	***8.90**	5.00	**5.10**	19.20	**17.82**
Bone Mixture	Baltimore	2.00	**2.20**	....	....	*9.00	***8.70**	5.00	**5.38**	19.20	**18.32**
Bone Mixture	Baltimore	2.00	**2.12**	....	....	*9.00	***9.80**	5.00	**5.20**	19.20	**18.52**
Refined Ground Bone	Baltimore	4.50	**4.66**	....	....	*21.00	***21.10**	....	....	30.60	**31.30**
Kainit	Baltimore	....	....	....	....	....	....	14.00	**15.36**	....	....
Lord Calvert Tobacco Fertilizer	Baltimore	4.00	**3.67**	....	**1.90**	8.00	**8.60**	12.00	**12.10**	32.00	**31.53**
Maryland Tobacco Growers Special	Baltimore	5.00	**4.78**	....	**2.60**	8.00	**8.30**	7.00	**6.80**	32.00	**31.59**
Maryland Tobacco Growers Special	Baltimore	5.00	**4.64**	....	**2.45**	8.00	**8.05**	7.00	**8.00**	32.00	**31.77**
Red Seal Corn and Wheat Guano	Baltimore	2.00	**1.98**	....	**1.05**	12.00	**12.45**	4.00	**4.10**	20.80	**27.11**
Royal Crown Tobacco Guano	Baltimore	4.00	**3.84**	....	**2.25**	8.00	**8.05**	10.00	**10.40**	30.40	**30.46**
Special Compound for Tobacco	Baltimore	3.00	**3.04**	....	**2.00**	8.00	**8.00**	3.00	**4.36**	20.80	**22.35**
Special Plant Food	Baltimore	2.00	**2.05**	....	**.85**	8.00	**8.65**	5.00	**5.30**	18.40	**19.49**
Special Plant Food	Baltimore	2.00	**1.98**	....	**1.15**	8.00	**8.25**	5.00	**4.32**	18.40	**18.15**
Special Tobacco Mixture	Baltimore	2.00	**2.00**	....	**2.00**	8.00	**8.10**	10.00	**10.40**	22.40	**23.10**
Stag Guano	Baltimore	1.00	**1.11**	....	**.85**	9.00	**9.55**	4.00	**4.08**	14.40	**15.47**
Standard Southern Vegetable Compound	Baltimore	7.00	**6.52**	....	**1.15**	6.00	**6.65**	5.00	**6.72**	36.80	**36.95**
Super Wheat and Grain Grower	Baltimore	3.00	**3.12**	....	**1.20**	12.00	**12.40**	3.00	**3.08**	24.00	**25.04**
Swan E Guano	Baltimore	2.00	**2.05**	....	**.90**	9.00	**9.30**	3.00	**3.00**	17.60	**18.18**
Swan E Guano	Baltimore	2.00	**2.03**	....	**1.00**	9.00	**8.80**	3.00	**3.00**	17.60	**17.71**
Swan E Guano	Baltimore	2.00	**1.98**	....	**.95**	9.00	**9.05**	3.00	**3.00**	17.60	**17.70**
Sweet Potato Grower	Baltimore	3.00	**3.04**	....	**2.15**	8.00	**8.25**	8.00	**8.28**	24.80	**25.70**
Twelve and Five Potash Compound	Baltimore	....	....	....	**2.15**	12.00	**11.65**	5.00	**5.00**	13.60	**13.64**
Twelve and Five Potash Compound	Baltimore	....	....	....	**2.10**	12.00	**11.70**	5.00	**4.84**	13.60	**13.55**
Twelve and Five Potash Compound	Baltimore	....	....	....	**2.15**	12.00	**11.85**	5.00	**4.70**	13.60	**13.56**
Pacific Manure & Fert. Co., San Francisco, Cal.											
Groz-It-Brand Pulverized Sheep Manure	Baltimore	1.80	**1.81**	....	....	*.75	***.80**	2.50	**2.56**	9.65	**9.77**

Pacific Manure & Fert. Co., San Francisco, Cal.											
Groz-It-Brand Pulverized Sheep Manure	Baltimore	1.80	**1.81**	....	....	*.75	***.80**	2.50	**2.56**	9.65	**9.77**
Patuxent Guano Co., Baltimore, Md.											
Grain and Clover Producer	Baltimore	1.00	**1.38**	....	**.95**	8.00	**8.15**	5.00	**5.10**	14.40	**16.26**
Peerless Fertilizer Co., Chestertown, Md.											
Bone Special	Chestertown	.50	**.63**	....	**.75**	10.00	**10.25**	4.00	**4.00**	13.20	**14.03**
Fish Mixture	Chestertown	3.00	**3.57**	....	**1.05**	8.00	**8.05**	7.00	**7.30**	24.00	**26.72**
Jersey Sweet Potato	Chestertown	2.00	**2.87**	....	**1.05**	8.00	**8.14**	10.00	**10.40**	22.40	**26.47**
Kainit	Chestertown	....	....	....	....	....	....	12.40	**13.52**	....	....
Peerless	Chestertown	2.00	**2.35**	....	**1.60**	8.00	**8.20**	5.00	**6.36**	18.40	**21.29**
Rock and Kainit	Chestertown	....	....	....	**.85**	8.00	**8.05**	6.00	**6.30**	11.20	**11.61**
Sweet Potato	Chestertown	2.00	**2.00**	....	**.90**	7.00	**7.00**	7.00	**7.36**	19.20	**19.63**
0-12-5	Chestertown	....	....	....	**.70**	12.00	**12.10**	5.00	**5.30**	13.60	**14.03**
Piedmont-Mt. Airy Guano Co., Inc., Baltimore, Md.											
Superphosphate	Mt. Airy	....	....	....	**.80**	16.00	**16.30**	....	....	12.80	**13.16**
Harvest Queen	Mt. Airy	1.00	**1.16**	....	**.80**	8.00	**7.70**	4.00	**4.64**	13.60	**14.63**
Peerless Phosphate	Mt. Airy	1.00	**1.13**	....	**.85**	8.00	**8.05**	3.00	**3.28**	12.80	**13.71**
Perfection Guano	Mt. Airy	2.00	**2.10**	....	**1.10**	8.00	**7.50**	5.00	**5.60**	18.40	**19.05**
Plantabbs Corp., Baltimore, Md.											
Fulton's Plantabbs	Baltimore	13.35	**13.38**	....	....	*15.00	***19.20**	20.00	**25.40**	78.40	**85.36**
Ramsburg Fertilizer Co., Frederick, Md.											
Super Phosphate	Frederick	....	....	....	**.80**	16.00	**16.90**	....	....	12.80	**13.64**
Ammoniated Bone Phosphate	Myersville	1.00	**1.11**	....	**.15**	10.00	**11.95**	4.00	**4.28**	15.20	**17.44**
Ammoniated Bone Phosphate	Frederick	1.00	**1.02**	....	**.10**	10.00	**11.30**	4.00	**4.40**	15.20	**16.66**
Excelsior Plant Food	Frederick	2.00	**2.08**	....	**.50**	10.00	**11.60**	4.00	**4.20**	19.20	**21.04**
Old Virginia Compound	Frederick	1.00	**1.18**	....	**.10**	10.00	**11.30**	5.00	**5.24**	16.00	**18.21**
Special Rock and Potash	Frederick	....	....	....	**1.10**	12.00	**13.80**	5.00	**5.00**	13.60	**15.21**
Williams Wheat and Grass	Frederick	1.00	**1.06**	....	**.10**	10.00	**11.30**	2.00	**2.38**	13.60	**15.20**
Rasin-Monumental Co., Baltimore, Md.											
Eastern Shore Potato Special	Baltimore	7.00	**6.42**	....	**1.05**	6.00	**6.55**	5.00	**5.20**	36.80	**35.24**
Double National Brand	Baltimore	2.00	**2.25**	....	**1.30**	16.00	**16.80**	8.00	**8.36**	27.20	**29.33**
Reindollar Co., Taneytown, Md.											
Superphosphate	Taneytown	....	....	....	**.25**	16.00	**18.35**	....	....	12.80	**14.72**
Crop Grower	Taneytown	2.00	**2.10**	....	**1.55**	8.00	**8.75**	5.00	**5.28**	18.40	**19.85**
Grain Grower	Taneytown	2.00	**2.17**	....	**.90**	10.00	**11.10**	5.00	**5.20**	20.00	**21.86**
Rock and Potash	Taneytown	....	....	....	**1.05**	12.00	**14.05**	6.00	**6.32**	14.40	**16.46**

* Total phosphoric acid.

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O		Comparative Value Per Ton Guaranteed	Comparative Value per Ton Found
				Insoluble		Available					
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND		
W. E. Robinson & Co., Bel Air, Md.											
Special Mixture	Fallston	2.00	**2.15**	....	**1.30**	8.00	**9.10**	5.00	**5.00**	$18.40	**$20.08**
F. S. Royster Guano Co., Baltimore, Md.											
Curlew Guano	Lineboro	3.00	**2.90**	....	**.40**	10.00	**11.00**	6.00	**6.10**	24.80	**25.34**
Phosphate and Potash	Lineboro	....	....	....	**.45**	12.00	**12.75**	5.00	**5.20**	13.60	**14.43**
Rational Guano	Lineboro	1.00	**1.13**	....	**.35**	9.00	**9.65**	4.00	**4.30**	14.40	**15.73**
R. H. Slingluff Fertilizer Co., Baltimore, Md.											
Acid Phosphate	Baltimore	....	....	....	**.75**	16.00	**16.15**	....	....	12.80	**13.03**
Acid Phosphate	Baltimore	....	....	....	**.95**	16.00	**16.55**	....	....	12.80	**13.38**
Big and Bright Tobacco	Baltimore	4.00	**4.01**	....	**.45**	8.00	**8.15**	5.00	**5.18**	26.40	**26.77**
Champion Fertilizer	Baltimore	2.00	**1.98**	....	**1.15**	8.00	**8.35**	5.00	**5.38**	18.40	**19.07**
Grain and Grass Grower	Baltimore	2.00	**2.06**	....	**2.10**	10.00	**10.80**	4.00	**4.00**	19.20	**20.40**
Harvest Queen	Baltimore	1.00	**1.28**	....	**.85**	9.00	**9.05**	4.00	**4.16**	14.40	**15.82**
Harvest Queen	Baltimore	1.00	**1.08**	....	**.65**	9.00	**8.95**	4.00	**4.36**	14.40	**15.07**
3-8-10 for Tobacco	Baltimore	3.00	**3.07**	....	**.10**	8.00	**8.80**	10.00	**10.20**	26.40	**27.50**
Standard Wholesale Phosphate & Acid Works, In	**c., Balto., Md.**										
Superphosphate 18%	Baltimore	....	....	....	**.90**	18.00	**17.10**	....	....	14.40	**13.82**
Superphosphate 16%	Baltimore	....	....	....	**1.05**	16.00	**16.35**	....	....	12.80	**13.24**
Superphosphate 16%	Baltimore	....	....	....	**.40**	16.00	**16.70**	....	....	12.80	**13.42**
Superphosphate 16%	Baltimore	....	....	....	**1.30**	16.00	**16.10**	....	....	12.80	**13.08**
Superphosphate 16%	Baltimore	....	....	....	**1.40**	16.00	**16.00**	....	....	12.80	**13.01**
Superphosphate 16%	Baltimore	....	....	....	**1.40**	16.00	**16.00**	....	....	12.80	**13.01**
Accomac Peninsula King	Baltimore	5.00	**4.73**	....	**1.20**	8.00	**8.90**	5.00	**5.20**	30.40	**30.38**
Accomac Peninsula King	Trappe	5.00	**4.98**	....	**.50**	8.00	**8.70**	5.00	**5.24**	30.40	**31.15**
Accomac Peninsula King	Trappe	5.00	**5.15**	....	**.85**	8.00	**8.15**	5.00	**5.30**	30.40	**31.49**
Big Four Crop Grower	Baltimore	1.00	**1.62**	....	**.70**	9.00	**9.80**	4.00	**4.40**	14.40	**17.95**
4-8-10	Baltimore	4.00	**3.89**	....	**1.20**	8.00	**8.70**	10.00	**10.28**	30.40	**30.92**
4-8-10	Baltimore	4.00	**4.10**	....	**.45**	8.00	**8.35**	10.00	**10.30**	30.40	**31.39**
High Grade Phosphate and Potash	Baltimore	....	....	....	**.75**	12.00	**12.45**	5.00	**5.18**	13.60	**14.21**
High Grade Phosphate and Potash	Baltimore	....	....	....	**.75**	12.00	**12.55**	5.00	**5.20**	13.60	**14.31**
High Grade Phosphate and Potash	Baltimore	....	....	....	**1.00**	12.00	**12.00**	5.00	**5.24**	13.60	**13.94**
General Use Guano	Baltimore	2.00	**2.05**		**.80**		**12.30**		**4.40**		**20.20**

High Grade Phosphate and Potash	Baltimore	....	....	....	.75	12.00	12.45	5.00	5.18	13.60	14.21
High Grade Phosphate and Potash	Baltimore	....	....	....	.75	12.00	12.55	5.00	5.20	13.60	14.31
General Use Guano	Baltimore	....	....	....	1.00	12.00	12.00	5.00	5.24	13.60	13.94
Mammoth Potato Grower	Baltimore	2.00	2.05	....	.80	12.00	12.30	4.00	4.40	20.80	21.68
Nitrate of Soda	Trappe	2.00	2.18	....	.70	8.00	8.50	10.00	9.28	22.40	23.05
Rainbow Brand	Baltimore	18.00	19.20	....	....	....	....	....	....	....	....
Service Mixture	Baltimore	2.00	2.03	....	1.10	12.00	12.20	2.00	2.20	19.20	19.81
Service Mixture	Baltimore	2.00	2.15	....	.60	12.00	12.30	6.00	6.40	22.40	23.65
3-8-12	Baltimore	2.00	2.08	....	1.00	12.00	12.10	6.00	6.00	22.40	22.95
Stimuplant Laboratories, Inc., Long Island City, N. Y.											
Stimuplant	Baltimore	3.00	3.40	....	1.50	8.00	8.20	12.00	11.20	28.00	29.35
Summers Fertilizer Co., Inc., Baltimore, Md.											
4-16-4 Fertilizer	Baltimore	13.35	13.60	....	.50	11.71	14.50	15.00	15.00	74.77	78.08
Genuine Venezuelan Goat Manure	Baltimore	4.00	4.18	....	.90	16.00	16.03	4.00	4.30	32.00	33.12
"Best on Earth" 2-12-4 Fertilizer	Baltimore	1.00	1.55	....	....	*1.00	*1.00	3.00	3.24	7.00	9.39
Swift & Co., Baltimore, Md.		2.00	3.62	....	1.20	12.00	11.40	4.00	4.10	20.80	27.06
Bone Meal Fertilizer	Baltimore	3.00	3.29	....	....	*22.00	*28.50	....	....	25.20	30.26
Red Steer for Tobacco 4-8-12	Baltimore	4.00	3.99	....	.50	8.00	8.00	12.00	12.00	32.00	32.04
Red Steer 2-8-5	Thurmont	2.00	2.01	....	.20	8.00	8.30	5.00	5.10	18.40	18.79
Red Steer 2-12-2	Baltimore	2.00	2.15	....	.85	12.00	11.55	2.00	2.40	19.20	19.89
Vigoro	Baltimore	4.86	4.88	....	.60	12.00	12.40	4.00	4.12	32.24	32.83
Synthetic Nitrogen Products Corp., New York, N. Y.											
Floranid	Baltimore	55.90	56.00	....	....	....	....	....	....	....	....
Nitrophoska No. 1	Baltimore	18.24	18.96	....	....	*30.00	*31.90	15.00	15.40	102.96	107.30
Nitrophoska	Easton	14.59	14.41	....	.15	24.00	24.95	12.00	13.28	87.16	88.24
Talbot Fertilizer Co., Easton, Md.											
2-8-10	Cordova	2.00	2.85	....	.10	8.00	12.50	10.00	4.62	22.40	25.12
0-12-5	Cordova	....	....	....	.15	12.00	13.75	5.00	4.76	13.60	14.83
Tennessee Corporation, Lockland, Ohio.											
Loma	Baltimore	6.07	6.28	....	1.00	10.00	9.90	4.00	4.24	35.48	36.58
Thomas & Co., Frederick, Md.											
Superphosphate	Gaithersburg	....	....	....	.85	16.00	18.45	....	....	12.80	14.89
Harvest Queen	Gaithersburg	1.25	1.42	....	1.50	10.00	10.40	2.00	2.62	14.60	16.33
Rock and Potash	Gaithersburg	....	....	....	.95	12.00	12.05	5.00	6.40	13.60	14.90
Wheat and Grass Grower	Gaithersburg	2.00	2.08	....	1.45	8.00	8.55	5.00	5.00	18.40	19.38

* Total phosphoric acid.

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O		Comparative Value Per Ton Guaranteed	Comparative Value per Ton Found
				Insoluble		Available					
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND		
Wm. B. Tilghman Co., Salisbury, Md.											
Super Phosphate	Salisbury	....	....	....	.10	16.00	17.30	....	....	$12.80	$13.84
Bone Tankage Mixture	Salisbury	2.00	2.29	....	1.30	12.00	12.10	4.00	4.40	20.80	22.56
High Grade Potash Mixture	Salisbury	2.00	2.61	....	1.00	8.00	7.40	10.00	10.40	22.40	24.83
High Grade Potash Mixture	Salisbury	2.00	2.46	....	1.90	8.00	8.10	10.00	10.00	22.40	24.61
Irish P. Guano	Salisbury	7.00	7.34	....	.30	6.00	7.00	5.00	5.30	36.80	39.25
Kainit	Salisbury	....	....	....	....	....	....	12.40	16.21	....	....
Mixture "A"	Salisbury	4.00	4.16	....	1.15	8.00	8.05	10.00	10.24	30.40	31.44
Mixture "B"	Salisbury	4.00	3.99	....	1.00	8.00	8.40	4.00	4.20	25.60	26.19
Phosphate and Potash	Salisbury	....	....	....	.10	12.00	13.10	5.00	5.26	13.60	14.71
Pure Raw Bone Meal	Hurlock	4.50	4.95	....	....	*21.50	*21.20	....	....	30.90	32.52
"S. P." Mixture	Salisbury	3.00	3.17	....	1.25	8.00	8.05	8.00	8.00	24.80	25.71
"S. P." Mixture	Hurlock	3.00	3.89	....	.70	8.00	8.30	8.00	8.16	24.80	28.84
Special Grain Fertilizer	Salisbury	1.00	1.50	....	1.50	10.00	10.10	5.00	5.10	16.00	18.39
Special Grain Fertilizer	Salisbury	1.00	1.19	....	1.35	10.00	10.10	5.00	5.10	16.00	17.12
Special Fertilizer	Salisbury	1.00	1.40	....	.80	9.00	9.20	4.00	4.22	14.40	16.46
Standard	Salisbury	2.00	2.46	....	.70	8.00	8.70	5.00	5.34	18.40	21.18
Standard	Salisbury	2.00	2.32	....	1.15	8.00	8.25	5.00	5.90	18.40	20.77
Standard	Hurlock	2.00	2.70	....	.30	8.00	8.30	5.00	6.30	18.40	22.53
F. W. Tunnell & Co., Inc., Philadelphia, Pa.											
Fish Manure with Potash	Colora	2.00	2.47	....	1.15	10.00	11.15	6.00	6.36	20.80	24.06
Standard Cereal Manure	Colora	2.00	2.39	....	1.70	12.00	11.70	4.00	4.80	20.80	23.02
Veribest Cereal Manure	Colora	2.00	2.46	....	1.75	8.00	8.55	5.00	5.40	18.40	21.26
Wheat and Cereal Manure	Colora	1.00	1.54	....	.50	9.00	9.70	4.00	4.60	14.40	17.68
Uniform Products Co., Inc., New York, N. Y.											
F. & I.	Baltimore	2.50	2.60	....	....	*.25	*.60	4.00	4.32	13.35	14.22
Valliant Fertilizer Co., Laurel, Del.											
Superphosphate		....	....	....	.65	16.00	17.45	....	....	12.80	14.06
Diamond		2.00	2.10	....	.90	8.00	8.80	5.00	5.90	18.40	20.30
Fam-us		1.00	1.13	....	.65	9.00	12.65	4.00	4.32	14.40	18.20
Gem		2.00	2.15	....	3.50	8.00	8.40	10.00	10.40	22.40	24.17
Harvest					.65	12.00	12.55	5.00	5.20	13.60	14.20

Superphosphate		....	....	....	.65	16.00	17.45	....	....	12.80	14.06
Diamond		2.00	2.10	....	.90	8.00	8.80	5.00	5.90	18.40	20.30
Fam-us		1.00	1.13	....	.65	9.00	12.65	4.00	4.32	14.40	18.20
Gem		2.00	2.15	....	3.50	8.00	8.40	10.00	10.40	22.40	24.17
Harvest		....	....	....	.65	12.00	12.55	5.00	5.20	13.60	14.30
E S. Valliant & Son, Centreville, Md.											
Acid Phosphate	Centreville	....	....	....	1.05	16.00	16.45	....	....	12.80	13.32
Ammoniated Potash Mixture	Centreville	1.00	1.08	....	.40	11.00	11.60	5.00	5.00	16.80	17.66
Animal Base Mixture	Centreville	1.00	.99	....	.35	11.00	11.45	4.00	4.20	16.00	16.53
Corn Mixture	Centreville	....	....	....	1.60	7.00	6.20	7.00	7.40	11.20	11.12
Favorite	Centreville	1.00	1.01	....	1.30	9.00	9.30	5.00	5.26	15.20	15.89
Fish Mixture	Centreville	2.00	1.91	....	.15	9.00	9.45	6.00	6.40	20.00	20.34
5-8-5	Centreville	5.00	4.62	....	.15	8.00	8.75	5.00	5.40	30.40	29.82
Grain Grower	Centreville	1.00	1.33	....	.80	10.00	10.60	4.00	4.40	15.20	17.44
Ideal	Centreville	....	....	....	.50	12.00	12.20	6.00	6.00	14.40	14.64
Kainit	Centreville	....	....	....	....	....	....	14.00	14.84	....	....
Keystone	Centreville	2.00	2.58	....	.75	8.00	8.05	5.00	5.28	18.40	21.09
Producer	Centreville	2.00	2.25	....	.25	9.00	9.85	10.00	10.40	23.20	25.24
Standard	Centreville	1.00	1.19	....	1.20	9.00	9.40	4.00	4.80	14.40	16.30
0-10-10	Centreville	....	....	....	.55	10.00	10.25	10.00	10.24	16.00	16.47
Truck Special	Centreville	4.00	4.04	....	.15	9.00	9.85	6.00	6.32	28.00	29.12
Winner	Centreville	2.00	2.66	....	.60	8.00	8.03	10.00	10.36	22.40	25.44
W. H. Valliant & Bro., Bellevue, Md.											
Corn Special	Bellevue	3.00	4.11	....	....	....	....	5.00	6.36	16.00	21.53
Fish Special	Bellevue	2.00	2.53	....	1.60	8.00	9.80	6.00	6.30	19.20	23.24
Phosphate 0-12-5	Bellevue	....	....	....	.15	12.00	12.55	5.00	5.04	13.60	14.09
Virginia-Carolina Chemical Corp., Balto., Md.											
BloomAid	Baltimore	6.00	5.97	....	.45	10.00	10.65	4.00	4.80	35.20	36.31
BloomAid, Tablet Form	Baltimore	12.00	12.00	....	.50	14.00	14.60	6.00	6.40	64.00	64.88
V-C Fish, Bone and Potash	Baltimore	2.00	2.15	....	1.15	9.00	10.15	3.00	3.20	17.60	19.45
V-C Valley Pride	Baltimore	2.00	2.08	....	1.25	12.00	13.75	2.00	2.40	19.20	21.43
Westminster Fertilizer Co., Westminster, Md.											
Superphosphate	Westminster	....	....	....	.10	16.00	19.30	....	....	12.80	15.46
Leader	Westminster	1.00	1.06	....	.10	9.00	10.10	4.00	4.80	14.40	16.18
Super-A	Westminster	1.00	1.09	....	.80	10.00	10.20	2.00	2.40	13.60	14.56
2-8-5	Westminster	2.00	1.98	....	.10	8.00	8.50	5.00	5.36	18.40	19.03
A. S. Woolley Co., Inc., Seaford, Del.											
Grain Fertilizer	Federalsburg	2.00	2.03	....	.60	8.00	9.30	5.00	5.00	18.40	19.65
5% Potash Mixture	Federalsburg	....	....	....	.25	12.00	12.15	5.00	5.00	13.60	13.76

* Total phosphoric acid.

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O		Comparative Value Per Ton Guaranteed	Comparative Value per Ton Found
				Insoluble		Available					
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND		
Worcester Fertilizer Co., Inc., Snow Hill, Md.											
Superphosphate	Snow Hill	....	....	....	.20	16.00	16.50	....	....	$12.80	$13.23
Correct Plant Food Mixture 5-8-5	Snow Hill	5.00	5.39	....	.35	8.00	8.75	5.00	5.74	30.40	33.20
Correct Plant Food Mixture 4-8-10	Snow Hill	4.00	4.10	....	.45	8.00	8.55	10.00	10.04	30.40	31.34
Correct Plant Food Mixture 1-9-4	Snow Hill	1.00	1.43	....	.10	9.00	9.90	4.00	4.32	14.40	17.12
Correct Plant Food Mixture 1-9-4	Snow Hill	1.00	1.20	....	.40	9.00	9.20	4.00	4.40	14.40	15.74
Correct Plant Food Mixture 3-8-8	Snow Hill	3.00	3.14	....	.35	8.00	8.35	8.00	8.34	24.80	25.96
Correct Plant Food Mixture 3-3-15	Snow Hill	3.00	2.92	....	.20	3.00	3.50	15.00	16.00	26.40	27.31
Correct Plant Food Mixture 2-8-5	Snow Hill	2.00	2.10	....	.20	8.00	9.00	5.00	5.70	18.40	20.19
Correct Plant Food Mixture 2-8-5	Snow Hill	2.00	2.12	....	.60	8.00	8.50	5.00	5.32	18.40	19.63
Correct Plant Food Mixture 2-8-10	Snow Hill	2.00	2.15	....	.50	8.00	8.40	10.00	10.30	22.40	23.64

READ THE FEED TAG

The Feed Inspection Service of Maryland was established with two purposes in mind. These purposes were to protect the legitimate manufacturer from unfair competition and to assure the feed buyer that the guarantee on the sack truthfully represents the product within. The Legislature during its enactment on this subject naturally presupposed that the purchaser would be sufficiently discriminatory when buying to at least read the label on the sack. However, we have actually found buyers who have given more consideration to other factors, such as price and high-pressure salesmanship, than to the information on the package.

The guaranteed analysis printed on the label is not an absolute measure of the value of a feed. It is, however, an indication of the feeding value of the material. Guarantees are also of considerable use in determining whether there is present in the feed an excessive amount of low-grade products.

Conditions during the summer of 1930 had a widespread effect upon the feed buyer. The prolonged drought caused many stockmen, who perhaps had never before purchased feed, to buy and use large quantities of commercial products. The results obtained by feeding a balanced ration may have increased profits to an extent that the consumer may continue to use this type of material. This new prospective feed buyer is urged to very carefully read the feed tag before making his purchases.

Different climatic conditions during 1931 favored the growth of large crops of roughage which it is possible to mix economically with concentrates or high-protein materials to obtain balanced rations for the farm animal. However, a study of available home-grown products should be made before making feed purchases. The cheapest feed is not always the most economical or the best. A buyer will find an honest guide to the best value from information required by law to be printed on the label of the sack or attached card.

While studying the label, attention should be given to the list of ingredients which go to make up a mixed ration. So important in this part of the branding on the bag that Federal and State Departments have special trained men to check, by means of the microscope, each ingredient for its presence in the mixture. However, few cases have been observed by this department, during the year 1931, where manufacturers have failed to prepare feeds according to the information as declared on the label.

TABLES

The results obtained in the inspection and analysis of feeding stuffs from May 1, 1931, to November 1, 1931, are found on pages 28 to 65, inclusive. Feeds are considered seriously deficient as regards chemical analysis when they are 1 per cent or more deficient in protein, or one-half of 1 per cent deficient in fat.

MANUFACTURER AND ADDRESS	NAME OF FEED
Agricultural Corp. of Md., Balto., Md.	Md. Productive 24% Dairy Ration
Akron Feed & Milling Co., Akron, Ohio.	‡32% Dairyman's Mixture
" " "	‡*Akron Dairy Feed
" " "	‡Ohio Dairy Feed
" " "	‡Ohio Dairy Feed
" " "	‡Ohio Chop Feed
" " "	‡Portage Chick Starter
" " "	Portage Chick Feed
" " "	Portage Scratch Feed
Allen Milling Co., Akron, Ohio.	Rainbow Scratch Feed
E. T. Allen Co., Atlanta, Ga.	‡Empire High Grade Cottonseed Meal
G. A. Allender, Elkton, Md.	Dandy Starting and Growing Mash
Allen & Wheeler Co., Troy, Ohio.	Trojan Kiln Dried Feed Meal
Allied Mills, Inc., Chicago, Ill.	‡Amco Old Process Linseed Meal and Old Process Screenings Oil Feed
" " "	Wayne 24% Dairy Feed
" " "	Wayne 20% Sucrene Dairy Feed
" " "	Wayne Ideal 16% Dairy Feed
" " "	Wayne 26% Mash Supplement
" " "	Wayne Poultry Fattener
" " "	Wayne Pig Meal
" " "	Wayne 40% Hog Supplement
" " "	Alfalfa Meal Superfine
" " "	Arab Horse Feed
" " "	Wayne Turkey Mash
" " "	‡Brewers' Dried Grains
" " "	Wayne Chick Feed
" " "	Wayne Intermediate Scratch Feed
Geo. F. Ament & Co., Baltimore, Md.	‡Pigeon Mixture
Anchor Mills, Hagerstown, Md.	‡Zip Egg Mash
Anderson Grain & Feed Co., Inc., York, Pa.	24% Dairy Feed
" " "	16% Dairy Feed
" " "	Big Bulk Dairy Feed
" " "	Growing Mash, with DBM
" " "	White Rose Horse Feed
" " "	White Rose Horse Feed
" " "	Corn Feed Meal
" " "	Developing Feed
" " "	Baby Chick Starting Mash, with DBM
" " "	Scratch Feed
Arcady Farms Milling Co. Chicago, Ill.	Milkers Ready Ration
" " "	‡Old Colony Feed
" " "	Dairy Feed
" " "	Besbet Laying Mash
" " "	Besbet Laying Mash

* Means deficient in protein or fat.
‡ Not licensed at time of sale.

SAMPLED FROM	Moisture	PROTEIN Guaranteed	PROTEIN FOUND	FAT Guaranteed	FAT FOUND	FIBRE Guaranteed	FIBRE FOUND	Ash	Nitrogen Free Extract	INGREDIENTS
Frederick	9.03	24.00	**24.75**	4.00	**4.33**	9.00	**8.04**	7.96	45.89	As declared on sack
Oakland	9.10	32.00	**34.38**	4.00	**4.77**	9.00	**8.94**	9.49	33.32	As declared on sack
Friendsville	10.22	24.00	**22.01**	3.50	**4.18**	12.00	**10.12**	9.96	43.51	" "
Oakland	12.00	16.00	**15.50**	3.50	**4.10**	12.00	**6.61**	5.72	56.07	" "
Friendsville	11.12	16.00	**16.42**	3.50	**4.20**	12.00	**8.33**	7.11	52.82	" "
Friendsville	9.32	6.00	**8.07**	2.00	**2.29**	12.00	**12.22**	5.43	62.67	" "
Friendsville	12.03	15.00	**17.11**	4.00	**3.84**	6.00	**4.81**	5.30	56.91	" "
Friendsville	9.65	9.00	**10.88**	3.00	**3.84**	5.00	**1.99**	1.60	72.04	" "
Friendsville	7.62	9.00	**11.93**	2.50	**3.16**	5.00	**3.20**	1.57	72.52	" "
Frostburg	10.63	9.00	**11.41**	2.50	**2.70**	5.00	**2.93**	1.69	70.64	As declared on sack
Detour	8.38	41.00	**41.51**	6.00	**5.57**	10.00	**9.00**	6.68	28.86	As declared on sack
Elkton	9.50	17.00	**18.08**	3.50	**5.14**	6.00	**4.10**	7.81	55.37	As declared on sack
Baltimore	11.00	9.00	**9.83**	3.00	**5.31**	5.00	**3.40**	1.88	68.58	As declared on sack
Salisbury	8.79	30.00	**30.36**	5.00	**6.11**	10.00	**8.76**	9.50	36.48	As declared on sack
Sykesville	9.41	24.00	**24.92**	3.50	**3.76**	9.00	**7.04**	9.12	45.75	" "
Cumberland	10.88	20.00	**21.87**	3.50	**3.45**	12.50	**9.38**	8.35	46.07	" "
Sykesville	9.27	16.00	**16.86**	3.50	**3.49**	12.00	**10.71**	8.96	50.71	" "
Hampstead	8.06	26.00	**26.94**	4.00	**5.56**	7.00	**6.74**	12.47	40.23	" "
Easton	10.12	13.50	**16.67**	4.00	**4.37**	6.00	**5.11**	4.13	59.60	" "
Lineboro	11.78	18.00	**20.11**	3.50	**3.92**	7.00	**4.69**	6.14	53.36	" "
Maugansville	7.76	40.00	**40.53**	4.50	**5.64**	8.00	**6.88**	10.80	28.39	" "
Centreville	8.78	14.00	**13.43**	1.75	**1.70**	33.00	**29.59**	8.91	37.59	" "
Reisterstown	12.72	10.00	**10.84**	2.00	**2.27**	14.00	**8.74**	4.57	60.86	" "
Oakland	8.67	15.00	**17.20**	3.50	**4.64**	6.00	**7.49**	7.18	54.82	" "
Cordova	6.07	20.00	**21.94**	4.50	**5.32**	18.00	**17.23**	4.82	44.62	" "
Sykesville	10.09	9.00	**11.85**	2.00	**3.16**	4.00	**1.89**	2.17	70.84	" "
Sykesville	9.10	10.00	**12.46**	2.50	**3.19**	5.00	**2.42**	2.17	70.66	" "
Baltimore	9.45	13.00	**13.78**	4.50	**5.96**	5.00	**4.75**	2.60	63.46	As declared on sack
Alesia	9.68	18.00	**20.18**	4.00	**4.67**	6.00	**4.62**	8.46	52.39	As declared on sack
Jefferson	10.94	24.00	**25.07**	4.00	**5.31**	12.00	**10.37**	6.00	42.31	As declared on sack
Mt. Airy	11.09	16.00	**16.32**	3.50	**4.49**	12.00	**7.61**	7.66	52.83	" "
Mt. Airy	10.67	10.00	**12.00**	1.50	**2.41**	15.00	**14.82**	6.96	53.14	" "
Mt. Airy	8.52	17.00	**18.87**	4.00	**4.95**	6.00	**4.60**	9.78	53.28	A.
Jefferson	11.04	8.00	**9.22**	2.00	**3.01**	11.00	**12.31**	4.37	60.05	As declared on sack
Federalsburg	10.87	8.00	**9.05**	2.00	**2.76**	11.00	**10.33**	5.47	61.52	" "
Glyndon	12.80	8.00	**9.83**	3.00	**6.17**	8.00	**3.67**	1.19	66.34	" "
Mt. Airy	12.01	9.00	**10.09**	2.50	**2.89**	5.00	**2.05**	1.58	71.38	" "
Mt. Airy	7.91	16.00	**17.02**	4.00	**4.94**	6.00	**4.55**	8.40	57.18	B. As decl'd on sack
Mt. Airy	11.80	9.00	**11.41**	2.50	**2.76**	5.00	**2.46**	1.35	70.22	As declared on sack
Frostburg	10.07	22.00	**22.47**	4.00	**4.28**	12.00	**10.61**	8.40	44.17	As declared on sack
Baltimore	8.89	20.00	**19.92**	3.50	**3.79**	12.00	**10.05**	8.80	48.55	" "
Westminster	11.39	16.00	**15.96**	4.00	**5.13**	12.50	**11.87**	10.23	45.42	" "
Salisbury	8.43	20.00	**21.86**	4.00	**4.91**	9.00	**7.37**	13.73	43.70	" "
Hagerstown	8.65	20.00	**20.18**	4.00	**4.45**	9.00	**7.02**	13.22	46.48	" "

A—Ingredients on sack differ from license; also detected wheat bran.
B—Ingredients on sack differ from license.

MANUFACTURER AND ADDRESS	NAME OF FEED
Arcady Farms Milling co. (Continued)	Besbet Growing Mash
" " "	Wonder Growing Mash
" " "	Besbet Starting Mash
" " "	Special Horse Feed
" " "	‡Wonder Horse and Mule Feed
" " "	‡Oat Feed and Molasses
" " "	‡Sunkist Chick Grains
Ashcraft-Wilkinson Co., Atlanta, Ga.	Monarch Brand Prime Cottonseed Meal
" " "	Monarch Brand Prime Cottonseed Meal
" " "	Helmet Brand Prime Cottonseed Meal
" " "	Helmet Brand Prime Cottonseed Meal
" " "	Helmet Brand Prime Cottonseed Meal
" " "	Helmet Brand Prime Cottonseed Meal
" " "	Helmet Brand Prime Cottonseed Meal
" " "	Helmet Brand Prime Cottonseed Meal
" " "	Helmet Brand Prime Cottonseed Meal
" " "	Helmet Brand Prime Cottonseed Meal
" " "	Helmet Brand Prime Cottonseed Meal
Atkinson Milling Co., Minneapolis, Minn.	‡Wheat Bran, with Gr. Screen'gs N. Ex. M. R.
Badger Grains & Feed Co., Milwaukee, Wisconsin.	"Plowboy" Dried Grains
	"Plowboy" Dried Grains
Balto. Feed & Grain Co., Baltimore, Md.	BBL. 55% Beef Scraps
" " "	‡BBL. 55% Beef Scraps
" " "	‡BBL. 55% Beer Scraps
" " "	BBL. Fish Meal
" " "	*BBL. 24% Dairy Feed, with Molasses and Min.
" " "	‡*BBL. Mid-Day Ration
" " "	BBL. Highest Quality Improved Laying Mash with DBM. and Mineral Supplement
" " "	BBL. Improved Laying Mash, with DBM. and Mineral Supplement
" " "	BBL. Egg Mash
" " "	BBL. Cod-Milk-O-Lay
" " "	BBL. All Mash Laying Ration
" " "	BBL. Fermenting Mash
" " "	BBL. Growing Mash, with DBM. and Minerals.
" " "	BBL. Cod-Milk-O-Gro
" " "	‡BBL. Broiler Mash
" " "	‡*Boston Horse Feed
" " "	BBL. Horse Feed
" " "	BBL. Hog Feed
" " "	BBL. Hog Feed
" " "	BBL. Cod-Milk-O-Chick Starter, with DBM., Cod Liver Oil and Minerals
" " "	BBL. All Mash Chick Starter, with DBM., Cod Liver Oil and Minerals
Barker, Moore & Mein Co., Phila., Pa.	Special Poultry Powder
Baugh & Sons Co., Baltimore, Md.	55% Fish Meal for Feeding
" " "	55% Fish Meal for Feeding

* Means deficient in protein or fat.
‡ Not licensed at time of sale.

SAMPLED FROM	Moisture	PROTEIN Guaranteed	PROTEIN FOUND	FAT Guaranteed	FAT FOUND	FIBRE Guaranteed	FIBRE FOUND	Ash	Nitrogen Free Extract	INGREDIENTS
Clinton	9.37	16.00	**16.76**	4.00	**4.47**	10.00	**6.78**	10.77	51.85	As declared on sack
Salisbury	8.82	16.00	**17.02**	4.00	**5.14**	7.00	**9.04**	8.10	51.88	" "
Frostburg	10.02	13.00	**14.13**	3.50	**4.35**	6.00	**5.46**	7.26	58.78	" "
Clinton	11.96	8.00	**8.82**	2.00	**2.76**	12.00	**11.90**	5.54	59.02	" "
Baltimore	12.15	9.00	**10.57**	3.00	**3.83**	10.00	**7.68**	4.33	61.44	" "
Westminster	9.91	5.00	**8.08**	1.50	**1.80**	25.00	**21.39**	8.35	50.47	" "
Clinton	9.09	10.00	**11.23**	2.50	**3.95**	5.00	**1.53**	1.50	72.70	" "
Baltimore	8.53	43.00	**42.21**	6.00	**6.45**	10.00	**10.39**	5.13	27.29	As declared on sack
Baltimore	6.92	43.00	**43.09**	6.00	**6.50**	10.00	**10.33**	6.38	26.78	" "
Frederick	8.31	41.00	**41.33**	5.50	**5.39**	10.00	**9.56**	6.74	28.67	" "
Hagerstown	6.96	41.00	**42.54**	5.50	**5.87**	10.00	**10.25**	6.02	28.36	" "
Cardiff	8.51	41.00	**41.77**	5.50	**5.16**	10.00	**8.56**	6.40	29.60	" "
Taneytown	8.19	41.00	**41.42**	5.50	**6.79**	10.00	**9.39**	7.26	26.95	" "
Gaithersburg	5.49	41.00	**42.21**	5.50	**5.99**	10.00	**9.84**	6.62	29.85	" "
Walkersville	6.35	41.00	**41.50**	5.50	**5.54**	10.00	**12.16**	6.55	27.90	" "
Frederick	6.40	41.00	**41.59**	5.50	**5.93**	10.00	**10.76**	6.67	28.65	" "
Linwood	6.50	41.00	**42.03**	5.50	**5.41**	10.00	**11.30**	6.40	28.36	" "
Taneytown	6.60	41.00	**41.68**	5.50	**5.74**	10.00	**12.23**	6.26	27.49	" "
Cumberland	9.60	14.00	**18.78**	4.00	**5.50**	12.00	**9.13**	6.13	50.86	As declared on sack
Westminster	7.13	20.00	**29.22**	7.00	**7.54**	18.00	**14.20**	5.24	36.67	As declared on sack
Sykesville	4.60	20.00	**21.32**	7.00	**9.02**	18.00	**16.14**	2.20	46.72	" "
Baltimore	7.72	55.00	**55.90**	8.00	**8.71**	3.00	**2.74**	24.83	.10	As declared on sack
Baltimore	6.44	55.00	**55.29**	8.00	**9.93**	3.00	**2.63**	25.14	.57	" "
Baltimore	6.41	55.00	**55.11**	8.00	**8.12**	3.00	**2.77**	27.32	.27	" "
Hampstead	6.25	55.00	**60.11**	6.00	**5.53**	2.00	**.73**	19.95	7.43	" "
Baltimore	10.05	24.00	**23.58**	5.00	**4.28**	8.00	**7.02**	8.50	46.57	" "
Hebron	9.40	13.00	**13.43**	5.00	**3.40**	2.50	**2.25**	4.20	67.32	" "
Hurlock	8.68	20.00	**20.53**	4.00	**4.48**	6.50	**6.52**	10.02	49.77	" "
Baltimore	7.11	20.00	**20.01**	4.00	**4.43**	6.50	**5.65**	9.95	52.85	" "
Baltimore	9.56	19.00	**19.39**	4.00	**4.32**	6.50	**6.44**	9.16	51.13	" "
Baltimore	7.12	20.00	**20.01**	4.00	**4.82**	6.50	**5.50**	8.99	53.56	" "
Baltimore	8.19	15.00	**16.06**	4.00	**4.14**	4.50	**4.57**	6.58	60.46	" "
Baltimore	8.40	18.00	**18.43**	5.00	**4.81**	5.00	**4.94**	7.34	56.08	" "
Baltimore	8.19	18.00	**18.69**	4.50	**4.44**	6.50	**5.85**	8.67	54.16	" "
Baltimore	7.17	18.00	**18.60**	4.50	**5.84**	6.50	**5.84**	8.50	54.05	" "
Hebron	9.10	17.00	**18.52**	4.50	**4.90**	5.50	**5.96**	9.10	52.42	" "
La Plata	11.31	7.00	**8.61**	2.50	**1.94**	13.00	**11.02**	6.10	61.02	" "
La Plata	11.57	9.00	**10.35**	4.00	**3.54**	9.00	**8.78**	3.66	62.10	A. As decl'd on sack
Baltimore	9.95	18.00	**18.25**	4.50	**5.59**	8.00	**7.42**	8.00	50.79	As declared on sack
Baltimore	8.92	18.00	**18.60**	4.50	**4.86**	8.00	**7.31**	8.23	52.08	B. As decl'd on sack
Baltimore	9.46	16.00	**17.72**	4.50	**4.29**	5.00	**5.19**	7.82	55.52	As declared on sack
Baltimore	8.46	14.00	**15.09**	4.00	**5.15**	3.00	**2.89**	6.15	62.26	" "
Snow Hill	6.46	15.00	**19.13**	3.50	**8.54**	16.00	**10.66**	21.21	34.00	As declared on sack
Woodbine	6.04	55.00	**56.25**	8.00	**8.49**	3.00	**.56**	23.90	4.76	As declared on sack
Taneytown	6.20	55.00	**55.64**	8.00	**10.25**	3.00	**.52**	23.26	4.13	" "

A—Fat guarantee on sack differs from license.
B—Ingredients on sack differ from license.

MANUFACTURER AND ADDRESS	NAME OF FEED
Bay State Milling Co., Winona, Minn.	Wingold Pure Hard Wheat Bran
" " "	Wingold Rye Mid'gs and Rye Screenings
Beatrice Creamery Co., Chicago, Ill.	Dried Skim Milk
J. P. Bennett & Sons, Mardela Springs, Md.	Best Laying Mash
" " "	Best Growin Mash
" " "	Best Intermediate Feed
Bernet, Craft & Kauffman Mill., Co., St. Louis, Mo.	‡Ideal Pure Winter Wheat Bran
Bisbee Linseed Co., Philadelphia, Pa.	Linseed Meal
Black Rock Milling Corp. Buffalo, N. Y.	Bidwell Scratch Feed
Blamberg Bros., Inc., Baltimore, Md.	Cornell Brand Laying Mash
" " "	Cornell Brand Chick Starter
Blatchford Calf Meal Co., Waukegan, Ill.	"Fill-The-Basket" Egg Mash
" " "	Growing Mash
" " "	*Calf Meal
" " "	Calf Meal
" " "	No Corn Pig Meal
Bowman Bros., Gaithersburg, Md.	Pure Wheat Bran
" " "	Wheat Middlings, with M. R. S.
Bradley & Baker, New York, N. Y.	Dried Beet Pulp
Breathedsville Exch., Breathedsville, Md.	‡Routzahns Hog Feed
" " "	*Pure Wheat Middlings
Broadwater Bros., Grantsville, Md.	Laying Mash
F. W. Brode' Corp., Memphis, Tenn.	Owl Brand Prime Cottonseed Meal
P. M. Brooks, Chestertown, Md.	Special Turkey Mash
" " "	Rose Bud Turkey Mash
" " "	Pure Wheat Bran
" " "	Pure Wheat Middlings
Herbert Bryant's Son, Alexandria, Va.	†50% Meat Scrap for Poultry
Cairo Meal & Cake Co., Cairo, Ill.	Miss Cairo Brand 41% Protein Cottonseed Meal
California Hawaiian Milling Co., Inc., San Francisco, Calif.	‡Alfalfa Stem Meal
Cambridge Mfg. Co., Cambridge, Md.	New Vim Molasses Dairy Feed
" " "	New Vim Molasses Dairy Feed
" " "	*New Vim Molasses Dairy Feed
" " "	New Vim Special Laying Mash
" " "	Moore's Laying Mash
" " "	*New Vim Turkey Growing Mash

* Means deficient in protein or fat.
† Means deficient in both protein and fat.
‡ Not licensed at time of sale.

SAMPLED FROM	Moisture	PROTEIN Guaranteed	PROTEIN FOUND	FAT Guaranteed	FAT FOUND	FIBRE Guaranteed	FIBRE FOUND	Ash	Nitrogen Free Extract	INGREDIENTS
Medford	10.50	14.50	**16.94**	4.75	**6.00**	13.00	**10.73**	6.20	49.63	As declared on sack
Medford	10.70	15.00	**16.85**	2.50	**3.71**	7.50	**5.03**	4.30	59.41	" "
Thurmont	6.41	35.00	**35.28**	.50	x**1.68**	....	....	8.12	....	As declared on sack
Mardela Springs	9.60	20.00	**21.94**	4.00	**5.28**	9.00	**6.97**	8.81	47.40	As declared on sack
Mardela Springs	9.92	16.00	**17.72**	4.00	**4.08**	8.00	**4.34**	7.67	56.27	" "
Mardela Springs	10.20	8.00	**9.48**	2.00	**3.47**	4.00	**2.73**	1.21	72.91	" "
Chewsville	10.30	14.50	**17.02**	4.00	**3.99**	8.50	**9.07**	5.60	54.02	As declared on sack
Baltimore	6.69	34.00	**35.45**	5.00	**6.51**	10.00	**7.71**	6.37	37.27	As declared on sack
Frostburg	10.30	10.00	**11.85**	1.50	**3.11**	5.00	**2.62**	1.57	70.55	As declared on sack
Baltimore	8.22	20.00	**21.76**	4.00	**4.32**	8.00	**7.40**	12.44	45.86	A.
Baltimore	8.40	12.50	**17.81**	3.50	**5.14**	5.00	**4.39**	10.17	54.09	As declared on sack
Baltimore	6.53	19.00	**20.53**	4.00	**5.38**	8.00	**6.79**	14.57	46.20	As declared on sack
Baltimore	8.36	16.75	**18.60**	3.75	**4.86**	7.90	**6.93**	13.40	47.85	" "
Baltimore	9.71	24.00	**24.92**	5.00	**4.41**	6.75	**6.19**	8.04	46.73	" "
Laurel	7.58	24.00	**24.57**	5.00	**4.56**	6.75	**5.97**	8.00	49.32	" "
Baltimore	6.36	25.00	**25.71**	5.00	**4.93**	6.50	**7.41**	13.77	41.82	" "
Gaithersburg	8.04	13.50	**14.45**	3.20	**3.25**	9.27	**10.24**	5.87	48.88	As declared on sack
Gaithersburg	9.44	14.00	**13.51**	4.00	**3.97**	10.00	**3.94**	2.71	66.43	" "
Baltimore	8.77	7.50	**8.25**	.50	**.67**	20.00	**16.01**	4.12	62.18	As declared on sack
Breathedsville	9.95	16.00	**16.85**	4.00	**6.13**	7.00	**4.65**	6.94	55.48	As declared on sack
Breathedsville	11.04	15.00	**13.60**	3.00	**2.84**	3.00	**2.64**	2.03	67.85	" "
Grantsville	9.22	18.00	**20.53**	5.00	**5.16**	6.00	**5.82**	7.81	51.46	As declared on sack
Linwood	7.89	41.00	**41.24**	5.00	**5.72**	10.00	**10.65**	8.46	26.04	As declared on sack
Chestertown	7.91	18.50	**19.66**	4.50	**4.97**	9.50	**11.23**	16.44	39.79	As declared on sack
Chestertown	8.05	20.00	**21.94**	4.50	**4.99**	9.00	**7.14**	13.25	44.63	" "
Chestertown	8.78	14.00	**14.92**	3.50	**3.79**	10.00	**10.56**	6.85	55.10	" "
Chestertown	10.82	14.00	**15.27**	3.50	**3.54**	5.00	**3.52**	2.77	64.08	" "
Rockville	7.05	50.00	**46.69**	10.00	**9.45**	2.00	**1.91**	32.74	2.16	B.
Cambridge	7.08	41.00	**41.07**	6.00	**6.13**	10.00	**9.47**	6.79	29.46	As declared on sack
Baltimore	9.05	10.00	**11.67**	1.00	**1.32**	38.00	**38.84**	7.55	31.57	As declared on sack
Queen Anne	10.40	24.00	**25.31**	4.50	**4.04**	9.50	**9.85**	8.59	41.81	As declared on sack
Cambridge	10.73	20.00	**20.96**	4.50	**4.24**	10.00	**10.54**	9.28	44.25	C.
Queen Anne	10.91	16.00	**17.70**	4.00	**3.38**	12.00	**12.49**	9.09	46.43	C.
Cambridge	8.47	20.00	**21.50**	5.00	**5.93**	5.50	**6.29**	11.52	46.29	As declared on sack
Cambridge	8.73	20.00	**21.06**	5.00	**6.47**	5.00	**7.15**	11.32	45.27	" "
Cambridge	8.91	25.00	**25.71**	7.50	**5.55**	4.50	**4.52**	12.00	43.31	" "

A—Also detected ground wheat.
B—Should be designated as meat and bone scrap.
C—Also detected whole weed seeds.
x Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND ADDRESS	NAME OF FEED
Cambridge Manufacturing Company, Cambridge, Md. (Continued)	*New Vim Turkey Growing Mash
	*New Vim Turkey Starter
Carter & Yates Mill. Co., Church Hill, Md.	Red Star Turkey Mash
" " "	Pure Wheat Bran
" " "	Pure Wheat Middlings
Case Commission Co., Jackson, Miss.	‡Diamond "C" Brand Cottonseed Meal
F. P. Cassel's Son, Lansdale, Pa.	Chick Manna
Central Chemical Co., Inc., Balto., Md.	"Gro-All" Meat Scraps 55%
" " "	"Gro-All" Meat Scraps 55%
" " "	"Gro-All" Meat Scraps 55%
" " "	"Gro-All" Meat Scraps 55%
" " "	"Gro-All" Meat and Bone Scrap 50%
" " "	"Gro-All" Meat and Bone Scrap 50%
" " "	"Gro-All" Meat and Bone Scrap 50%
" " "	"Gro-All" Meat and Bone Scrap 45%
" " "	"Gro-All" Meat and Bone Scrap 45%
" " "	*"Gro-All" Meat and Bone Scrap 45%
" " "	"Gro-All" Fish Meal 55%
" " "	"Gro-All" Fish Meal 55%
" " "	"Gro-All" Fish Meal 55%
" " "	"Gro-All" Fish Meal 55%
" " "	"Gro-All" Fish Meal 55%
" " "	"Gro-All" Digester Tankage 60%
" " "	*"Gro-All" Poultry Bone Meal 20%
" " "	‡*"Gro-All" Steamed Bone Meal
Chapin & Company, Hammond, Ind.	*Unicorn Dairy Ration 24%
" " "	Unicorn Dairy Ration 24%
" " "	Apax Egg Mash, with BM
" " "	‡Unicorn Pig Meal
" " "	‡Toasted Rabbit Cookies
Clinton Corn Syrup Refining Co., Clinton, Iowa.	Corn Gluten Feed
	Corn Gluten Feed
Commander Larabee Corp., Minneapolis, Minnesota.	Sunfed Wheat Bran, with Ground Screenings N. Ex. M. R.
G. E. Conkey Co., Cleveland, Ohio.	Gecco Egg Mash, with Y-O
" " "	Gecco Egg Mash
" " "	Gecco Growing Grains
" " "	Gecco Growing Mash, with BM. and Y-O.
" " "	Balanced Rabbit Feed, with Y-O
" " "	Gecco Chick Grains
" " "	Gecco Scratch Grains
" " "	Scratch Grains
Consolidated Feed & Grain Co., Inc., Buffalo, N. Y.	Bison Dried Buttermilk
	‡Bison Dried Skimmilk
Consolidated By-Product Co., Phila., Pa.	Beef and Bone Scrap

* Means deficient in protein or fat.
‡ Not licensed at time of sale.

SAMPLED FROM	Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
Cambridge.....	8.51	25.00	**25.01**	7.50	**4.57**	4.50	**4.11**	12.18	45.62	As declared on sack
Cambridge.....	9.01	20.00	**21.32**	6.50	**4.24**	4.50	**4.06**	10.00	51.37	" "
Centreville.....	8.25	18.00	**19.39**	4.00	**4.60**	13.00	**9.78**	11.85	46.13	A.
Church Hill....	8.50	12.00	**15.92**	3.50	**4.06**	10.00	**8.50**	5.49	57.53	As declared on sack
Church Hill....	10.51	13.00	**14.22**	3.50	**3.53**	5.50	**1.71**	2.50	67.53	" "
Centreville.....	9.02	41.00	**44.32**	6.00	**6.31**	10.00	**9.53**	7.23	23.59	As declared on sack
Baltimore.....	9.04	12.00	**12.29**	4.00	**4.07**	3.00	**2.42**	9.65	62.53	As declared on sack
Westminster....	5.49	55.00	**55.90**	8.00	**11.37**	2.00	**1.88**	25.16	.20	As declared on sack
Pocomoke City .	7.04	55.00	**54.85**	8.00	**9.36**	2.00	**2.28**	23.42	3.05	" "
Mardela Springs	7.71	55.00	**72.40**	8.00	**9.81**	2.00	**1.14**	7.23	1.71	" "
Westminster....	8.88	55.00	**54.67**	8.00	**9.99**	2.00	**3.04**	23.17	.25	" "
Mardela Springs	7.70	50.00	**52.83**	8.00	**10.81**	2.00	**2.60**	25.36	.70	" "
Elkton.....	6.08	50.00	**50.63**	8.00	**8.57**	2.00	**1.55**	29.10	4.07	" "
Mardela Springs	7.19	50.00	**50.63**	8.00	**10.18**	2.00	**2.07**	26.99	2.94	" "
Taneytown.....	6.86	45.00	**46.16**	8.00	**12.48**	2.00	**1.48**	32.19	.83	" "
Ellicott City....	6.82	45.00	**45.81**	8.00	**11.89**	2.00	**1.56**	31.70	2.22	" "
Walkersville....	7.53	45.00	**45.98**	8.00	**6.65**	2.00	**2.50**	35.26	2.08	B.
Mardela Springs	8.84	55.00	**59.85**	6.00	**8.99**	1.00	**.58**	18.53	3.21	As declared on sack
New Windsor...	8.10	55.00	**61.43**	6.00	**8.91**	1.00	**.76**	19.26	1.54	" "
Ellicott City....	9.26	55.00	**58.36**	6.00	**8.63**	1.00	**.59**	19.70	3.46	" "
Walkersville....	6.10	55.00	**59.94**	6.00	**5.78**	1.00	**1.32**	19.49	7.37	" "
New Windsor...	6.70	55.00	**58.36**	6.00	**8.64**	1.00	**.83**	20.10	5.37	" "
Walkersville....	6.86	60.00	**61.08**	8.00	**8.00**	2.00	**2.67**	17.69	3.70	C.
Baltimore.....	6.40	20.00	**25.10**	2.00	**.47**	2.00	**.31**	65.04	2.68	As declared on sack
Baltimore.....	.....	5.00	**9.48**	2.00	**.70**	2.00	**.57**	91.39	.....	" "
Annapolis.....	9.24	24.00	**26.32**	4.50	**3.76**	10.00	**8.83**	9.56	42.29	As declared on sack
Walkersville....	8.83	24.00	**26.03**	4.50	**4.07**	10.00	**8.64**	8.25	44.18	" "
Annapolis.....	9.51	18.00	**19.57**	3.50	**5.15**	7.00	**6.34**	6.63	52.80	" "
Cumberland....	7.44	17.50	**19.31**	4.00	**4.28**	7.00	**6.20**	7.85	54.92	" "
Baltimore.....	7.28	18.00	**24.13**	4.50	**4.05**	10.00	**8.43**	6.01	50.10	" "
Germantown....	7.50	23.00	**24.83**	2.00	**2.11**	8.50	**6.80**	4.79	53.97	As declared on sack
Clinton.....	8.13	23.00	**27.55**	2.00	**2.31**	8.50	**7.43**	6.60	47.98	" "
Chestertown....	8.67	14.00	**17.02**	4.00	**5.13**	12.00	**11.22**	6.63	51.33	As declared on sack
Baltimore.....	7.57	20.00	**20.80**	5.00	**5.07**	7.00	**4.88**	8.58	53.10	As declared on sack
Baltimore.....	6.67	20.00	**20.71**	5.00	**5.53**	7.00	**5.09**	8.66	53.34	" "
Baltimore.....	11.14	10.00	**12.29**	2.50	**3.19**	3.00	**2.10**	2.54	68.74	" "
Baltimore.....	9.65	18.00	**18.16**	5.50	**6.00**	7.50	**5.05**	8.58	52.56	" "
Hagerstown	9.12	12.50	**15.01**	3.50	**4.93**	6.00	**3.76**	2.80	64.38	" "
Baltimore.....	11.04	9.75	**11.41**	2.50	**2.47**	2.50	**1.56**	2.14	71.38	" "
Baltimore.....	10.67	9.00	**11.93**	2.00	**2.49**	3.00	**2.92**	2.53	69.46	" "
Cumberland....	11.20	9.50	**11.76**	2.00	**2.93**	3.50	**2.38**	1.52	70.21	" "
Federalsburg....	.....	30.00	**32.73**	3.00	x**4.36**	.....	.....	9.91	.....	As declared on sack
Snow Hill.....	.....	30.00	**33.43**	.50	x**1.07**	.....	.....	7.73	.....	" "
Cumberland....	6.58	45.00	**44.67**	10.00	**11.21**	2.00	**2.10**	32.40	3.04	A. As decl'd on sack

A—Also detected ground corn.
B—Also detected a small amount of vegetable material.
C—Also detected vegetable fibrous material.
x Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND ADDRESS	NAME OF FEED
Consolidated Products Co., Chicago, Ill.	Pure Dried Skim Milk
" " "	‡Pure Dried Skim Milk
" " "	Dried Buttermilk
" " "	Dried Buttermilk
" " "	Dried Buttermilk
Consolidated Rendering Company, Boston, Mass.	Banner Meat and Bone Scrap
" " "	Banner Meat and Bone Scrap
" " "	Banner Meat and Bone Scrap
" " "	Banner Meat and Bone Scrap
" " "	Banner Meat and Bone Scrap
" " "	Banner Meat and Bone Scrap
Cons. Import Co., Inc., New York, N. Y.	*Steamed Bone Meal
Continental Feed Products Corp., Baltimore, Md.	Big "C" Brand 50% Meat and Bone Scrap
" " "	Beet Pulp
" " "	‡Conto Brand Wheat Bran, with Gr. Screenings
" " "	‡Conto Brand Stand. Mid'gs, with Gr. Screen'gs
Continental Milling Company, Ellicott City, Md.	*Polka-Dot Dairy Feed 24%
" " "	Dairy Pride Dairy Feed 20%
" " "	Pre-Ferd Dairy Feed 16%
" " "	Brewers Dried Grains
" " "	Pre-Ferd Horse Feed
" " "	Polka-Dot Horse Feed
" " "	*Polka-Dot Starter and Grower
" " "	Polka-Dot Chick Grains
" " "	Polka-Dot Developer Grains
" " "	Fancy Yellow Corn Meal
" " "	Pre-Ferd Pigeon Feed
Corn Products Ref. Co., New York, N. Y.	Diamond Corn Gluten Meal
Dairymen's League Co-Operative Asso., Inc., Utica, N. Y.	‡Dairylea Dried Skim Milk
Dan Joseph Co., Columbus, Ga.	"Pinta" Columbus Brand Cottonseed Meal
" " "	"Pinta" Columbus Brand Cottonseed Meal
" " "	"Pinta" Columbus Brand Cottonseed Meal
" " "	"Pinta" Columbus Brand Cottonseed Meal
" " "	‡"Pinta" Columbus Brand Cottonseed Meal
" " "	‡"Pinta" Columbus Brand Cottonseed Meal
S. P. Davis, Little Rock, Ark.	*Goodluck Brand Prime Cottonseed Meal
" " "	*Goodluck Brand Prime Cottonseed Meal
Dayton Grain & Feed Co., Dayton, Ohio.	‡Mak-Em-Lay Scratch Feed
Deal Bros. Milling Co., Cumberland, Md.	*Ho Mo Dairy Feed
" " "	Ho Mo Dairy Feed
" " "	Ho Mo Dairy Feed
" " "	Diamond Dairy Feed
" " "	Jersey Dairy Feed

* Means deficient in protein or fat.
‡ Not licensed at time of sale.

SAMPLED FROM	Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
Denton	6.27	32.00	**32.73**	.50	x**3.13**	.....	.....	7.77	.....	As declared on sack
Baltimore	7.01	32.00	**32.38**	.50	x**1.85**	.....	.....	8.50	.....	" "
Denton	6.48	30.00	**33.52**	5.50	x**8.37**	.....	.....	14.35	.....	" "
Baltimore	6.88	30.00	**30.27**	5.50	x**6.29**	.....	.....	15.00	.....	" "
Mardela Springs	6.96	32.00	**34.75**	5.50	x**7.77**	.....	.....	11.76	.....	B. As decl'd on sack
Baltimore	6.50	50.00	**50.20**	8.00	**9.58**	3.00	**2.41**	29.61	1.70	As declared on sack
Baltimore	7.63	50.00	**50.57**	8.00	**9.24**	3.00	**2.55**	29.16	.85	" "
Baltimore	6.29	50.00	**50.37**	8.00	**8.55**	3.00	**2.55**	30.53	1.71	" "
Baltimore	7.24	45.00	**46.16**	8.00	**8.80**	3.00	**2.06**	35.36	.38	" "
Baltimore	6.65	45.00	**47.21**	8.00	**8.70**	3 00	**2.13**	32.29	3.02	" "
Baltimore	7.26	45.00	**45.46**	8.00	**8.39**	3.00	**2.26**	35.05	1.58	" "
Cumberland	6.30	5.14	**5.18**	1.00	**.44**	1.00	**.79**	87.09	.20	As declared on sack
Damascus	8.46	50.00	**51.42**	8.00	**8.46**	2.00	**1.92**	26.74	3.00	As declared on sack
Baltimore	9.10	8.00	**8.25**	.50	**.41**	18.00	**18.24**	4.45	59.55	" "
Baltimore	7.50	14.50	**17.38**	3.50	**3.73**	12.00	**10.85**	6.66	53.88	" "
Baltimore	10.50	15.50	**18.43**	3.50	**4.06**	9.50	**7.57**	5.37	54.07	" "
Ellicott City	7.86	24.00	**23.96**	5.00	**4.15**	10.00	**8.00**	10.73	45.30	As declared on sack
Ellicott City	7.68	20.00	**19.92**	4.00	**3.72**	12.00	**9.72**	11.47	47.49	C.
Ellicott City	8.07	16.00	**15.97**	4.00	**3.86**	12.00	**14.67**	8.44	48.99	As declared on sack
Ellicott City	7.75	20.00	**21.94**	5.00	**5.81**	14.00	**15.63**	4.23	44.64	" "
Ellicott City	10.71	9.00	**8.97**	2.00	**2.93**	14.00	**11.31**	6.18	59.90	D. As decl'd on sack
Ellicott City	11.04	8.00	**9.54**	2.00	**3.63**	14.00	**8.28**	4.27	63.24	E. As decl'd on sack
Ellicott City	9.13	16.00	**17.64**	5.00	**4.37**	5.00	**4.58**	10.05	54.23	A. As decl'd on sack
Ellicott City	7.90	10.00	**11.06**	2.50	**4.12**	5.00	**2.22**	2.27	72.43	As declared on sack
Ellicott City	8.90	10.00	**10.53**	2.50	**3.74**	5.00	**2.32**	1.96	72.55	" "
Ellicott City	8.24	8.00	**9.39**	3.00	**4.03**	6.00	**1.94**	1.68	74.72	" "
Ellicott City	11.70	10.00	**12.90**	3.00	**4.38**	5.00	**3.39**	2.30	65.33	" "
Frederick	6.12	40.00	**43.35**	1.00	**2.18**	4.00	**3.29**	1.29	43.77	As declared on sack
La Plata	6.90	33.00	**32.99**	.75	x**1.71**	.....	.....	8.09	.....	As declared on sack
Union Bridge	7.63	41.00	**45.46**	6.00	**6.65**	10.00	**8.77**	7.46	24.03	As declared on sack
Ellicott City	5.92	41.00	**41.16**	6.00	**6.67**	10.00	**10.27**	6.42	29.56	" "
Ellicott City	6.22	41.00	**42.65**	6.00	**6.46**	10.00	**9.73**	6.65	28.29	" "
Frederick	6.30	41.00	**41.42**	6.00	**5.96**	10.00	**11.43**	6.38	28.51	" "
Westminster	6.25	41.00	**40.10**	6.00	**6.30**	10.00	**11.73**	6.27	29.35	" "
New Windsor	6.20	41.00	**41.77**	6.00	**6.92**	10.00	**10.50**	6.40	28.21	" "
Denton	7.76	41.00	**41.42**	6.00	**5.38**	10.00	**11.24**	5.56	28.64	As declared on sack
Cumberland	6.20	41.00	**39.49**	6.00	**6.01**	10.00	**13.14**	6.00	29.16	" "
Frostburg	9.50	10.00	**11.85**	2.50	**2.80**	6.00	**3.36**	2.20	70.29	F.
Rockville	10.31	24.00	**26.91**	5.00	**4.26**	10.00	**9.23**	6.94	42.35	A. As decl'd on sack
Buckeystown	12.84	24.00	**23.95**	5.00	**4.54**	10.00	**10.41**	6.89	41.37	G.
Rockville	11.37	24.00	**28.22**	5.00	**4.66**	10.00	**10.17**	7.00	38.58	H.
Rockville	12.43	20.00	**22.90**	3.50	**4.12**	10.00	**11.73**	9.22	39.60	I.
Buckeystown	12.02	16.00	**19.34**	3.50	**4.22**	14.00	**12.67**	7.09	44.66	J.

A—Fat guarantee on sack differs from license. B—Protein guarantee on sack differs from license.
C—Also detected charcoal.
D—Protein, fat and fibre guarantee and ingredients on sack differ from license.
E—Fibre guarantee on sack differs from license.
F—Also detected rye; contains 4.40% weed seeds, chaff, straw and dirt.
G—Also detected peanut skin meal, oat screenings and whole weed seeds; unable to detect ground oats; fat guarantee on sack differs from license.
H—Fat guarantee on sack differs from license; also detected linseed oil meal.
I—Fat and fibre guarantee on sack differ from license; also detected dried brewers grains; whole weed seeds and oat screenings; unable to detect ground oats.
J—Also detected peanut skin meal, whole weed seeds and oat screenings; unable to detect corn gluten feed and ground oats. x Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND ADDRESS	NAME OF FEED
Deal Bros. Mill. Co., Cumberland, Md. (Continued)	Belgian Horse Feed
" " "	Diamond Horse Feed
" " "	Diamond Chick Starting Mash
" " "	Diamond Chick Grains
	Diamond Scratch Feed
Decatur Milling Co., Decatur, Ill.	Homco Hominy Feed
Denver Alfalfa Milling & Products Co., Lamar, Col.	Alfalfa Leaf Meal
" " "	Alfalfa Leaf Meal
" " "	Alfalfa Leaf Meal
	Alfalfa Meal
Derwood Mill, Derwood, Md.	Dairy Feed 26%
" " "	Dairy Feed 20%
" " "	*Hog and Pig Meal
Albert Dickinson Co., Chicago, Ill.	‡Globe Laying Glob-Ets
Dietrich & Gambrill, Inc., Frederick, Md.	*Gambrill's A. I. Dairy Feed
" " "	Frederick Dairy Feed
" " "	Gambrill's 16% Dairy Feed
" " "	Frederick Laying Mash
" " "	Frederick Laying Mash
" " "	Gambrill's Laying Mash
" " "	Gambrill's Laying Mash
" " "	Gambrill's Laying Mash
" " "	Frederick Growing Mash
" " "	Gambrill's Growing Mash
" " "	Gambrill's Growing Mash
" " "	Gambrill's Growing Mash
" " "	Gambrill's Growing Mash
" " "	Turkey Mash
" " "	Turkey Mash
" " "	Gambrill's Pigeon Feed
" " "	Gambrill's Pigeon Feed
William H. Dolbey, White Haven, Md.	*Growing Mash
" " "	Laying Mash
" " "	Hog Feed
" " "	Scratch Grains
Jacob Dold Packing Co., Buffalo, N. Y.	Quality Meat and Bone Scrap
Donahue-Stratton Co., Milwaukee, Wis.	Hiquality Brewers Dried Grains
" " "	*Hiquality Brewers Dried Grains
" " "	Hiquality Brewers Dried Grains
Doughnut Machine Corp., Ellicott City, Md.	Domaco Pure Winter Wheat Bran
" " "	Domaco Winter Wheat Middlings
" " "	Domaco Pure Winter Wheat White Middlings
Dreyer Commission Co., St. Louis, Mo.	Dryco Pure Wheat White Shorts
Dryden Milling Co., Pocomoke City, Md.	‡Turkey Grower

† Means deficient in both protein and fat.
‡ Not licensed at time of sale.

SAMPLED FROM	Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
Cumberland....	10.37	7.00	**10.95**	2.00	**3.97**	10.00	**7.74**	5.38	61.59	A.
Cumberland....	8.78	7.00	**10.26**	2.00	**3.53**	10.00	**7.70**	4.41	65.32	B. As decl'd on sack
Cumberland....	9.60	16.00	**17.29**	5.00	**5.19**	5.00	**7.23**	13.32	47.37	As declared on sack
Cumberland....	10.50	10.00	**11.32**	2.50	**2.60**	8.00	**2.46**	1.54	71.58	C.
Cumberland....	11.10	10.00	**11.85**	2.50	**2.63**	3.00	**3.14**	1.60	69.68	D.
Lineboro.....	8.94	10.00	**11.58**	7.00	**8.55**	6.00	**5.56**	2.69	62.68	As declared on sack
Baltimore.....	7.79	20.00	**19.92**	2.50	**3.01**	18.00	**16.86**	10.66	41.76	As declared on sack
Glyndon.....	8.85	20.00	**21.14**	2.50	**2.49**	18.00	**15.71**	12.40	39.41	" "
Baltimore.....	7.88	20.00	**20.01**	1.50	**2.78**	18.00	**16.14**	10.62	42.57	" "
Westminster....	8.10	13.00	**14.04**	1.00	**1.31**	33.00	**32.77**	10.45	33.33	" "
Derwood.....	9.95	26.00	**25.96**	4.00	**3.95**	9.00	**8.79**	8.00	43.35	E.
Derwood.....	9.93	20.00	**20.87**	4.00	**3.66**	11.00	**6.99**	9.12	49.43	F.
Derwood.....	12.38	17.00	**16.61**	4.00	**3.25**	8.00	**5.80**	11.16	50.80	F.
Cumberland....	7.20	16.00	**17.72**	3.50	**4.74**	6.00	**5.76**	11.17	53.41	As declared on sack
Ellicott City....	10.14	24.00	**24.30**	5.00	**4.47**	9.00	**9.40**	6.27	45.42	G.
Laurel.....	10.04	24.00	**24.59**	4.00	**4.00**	12.00	**13.50**	6.60	41.27	As declared on sack
Sykesville.....	9.97	16.00	**17.90**	3.50	**4.28**	12.00	**11.90**	6.62	49.33	H. As decl'd on sack
Hyattsville.....	9.97	18.00	**19.48**	3.50	**5.18**	8.00	**6.59**	8.06	50.72	As declared on sack
Bethesda.....	7.38	20.00	**20.36**	5.00	**5.30**	7.00	**6.40**	7.45	53.11	H. As decl'd on sack
Ellicott City....	8.98	20.00	**21.50**	5.00	**5.80**	7.00	**5.65**	8.86	49.21	As declared on sack
Baltimore.....	9.20	20.00	**20.18**	5.00	**5.66**	7.00	**5.72**	7.47	51.77	" "
Berwyn.....	10.21	20.00	**20.80**	5.00	**5.40**	7.00	**5.63**	9.12	48.84	I.
Manchester.....	8.33	16.00	**19.39**	4.00	**4.18**	8.00	**5.29**	8.05	54.76	J.
Sykesville.....	8.84	18.00	**19.83**	4.00	**5.62**	7.00	**4.55**	8.63	52.53	As declared on sack
Baltimore.....	9.02	18.00	**20.01**	4.00	**5.29**	7.00	**4.40**	9.07	52.21	" "
Berwyn.....	10.08	18.00	**20.01**	4.00	**6.78**	7.00	**5.32**	8.32	49.49	" "
Manchester.....	9.05	18.00	**20.53**	4.00	**5.41**	7.00	**4.16**	8.70	52.15	" "
Ellicott City....	7.90	20.00	**21.94**	4.00	**4.85**	12.00	**10.85**	13.50	40.96	" "
Baltimore.....	7.08	20.00	**21.24**	4.00	**5.64**	12.00	**10.08**	11.68	44.28	" "
Hagerstown	10.27	13.00	**13.60**	3.00	**3.49**	4.00	**4.20**	2.36	66.08	" "
Rockville.....	9.56	13.00	**14.65**	3.00	**3.24**	4.00	**3.61**	2.28	66.66	" "
White Haven...	9.62	17.50	**15.45**	4.50	**4.10**	5.00	**5.86**	7.99	56.98	As declared on sack
White Haven...	10.10	20.62	**21.67**	4.83	**4.73**	5.24	**6.28**	8.83	48.39	" "
White Haven...	10.33	18.00	**18.51**	4.00	**4.04**	6.00	**6.39**	7.95	52.78	" "
White Haven...	10.90	.87	**9.92**	3.00	**3.28**	4.00	**3.52**	2.19	70.19	K. As decl'd on sack
Cumberland....	6.67	45.00	**46.69**	6.00	**8.22**	5.00	**2.47**	35.10	.85	L.
Lineboro.....	7.58	20.00	**21.50**	5.00	**5.56**	19.00	**16.99**	4.18	44.19	As declared on sack
Baltimore.....	8.91	20.00	**20.36**	5.00	**4.36**	19.00	**16.14**	4.37	45.86	" "
Trego.....	6.48	20.00	**21.59**	5.00	**6.54**	19.00	**18.61**	4.70	42.08	" "
Woodbine.....	9.40	14.50	**14.04**	4.00	**4.24**	9.50	**9.40**	6.27	56.65	As declared on sack
Ellicott City....	10.05	14.00	**16.67**	4.00	**4.06**	8.00	**8.65**	4.46	56.11	" "
Woodbine.....	10.15	16.00	**16.50**	5.00	**5.44**	3.25	**4.21**	4.11	59.59	" "
Pocomoke City .	10.99	14.00	**14.57**	3.50	**3.73**	3.50	**2.58**	2.42	65.71	As declared on sack
Pocomoke City .	7.95	18.00	**18.47**	5.00	**5.19**	5.00	**4.66**	7.41	56.32	As declared on sack

A—Fat guarantee on sack differs from license; also detected whole weed seeds.
B—Fat guarantee on sack differs from license. [weed seed.
C—Fibre guarantee on sack differs from license; unable to detect cracked milo; also detected .70%
D—Unable to detect milo and Kaffir; also detected barley. E—Also detected dried brewers grains.
F—Fibre guarantee on sack differs from license; also detected ground barley.
G—Ingredients on sack differ from license; also detected ground Kaffir corn.
H—Ingredients on sack differ from license.
I—Unable to detect linseed meal; also detected peanut meal. J—Also detected cottonseed meal.
K—Protein, fat and fibre guarantee on sack differ from license.
L—Also detected vegetable fibrous material.

MANUFACTURER AND ADDRESS	NAME OF FEED
Dry Milk Co., Inc., New York, N. Y.	*Chikora
Duluth-Superior Mill. Co., Duluth, Minn.	Red Dog Wheat Flour
Duluth Universal Mill. Co., Duluth, Minn.	‡Wheat Bran, with Ground Screen. N. Ex. M. R.
Eagle Mills, Pocomoke City, Md.	*Drydens Pure Fish Meal
" " "	R. C. D. Laying Mash
" " "	R. C. D. Growing Mash
" " "	Drydens Hog Meal
Early & Daniel Co., Cincinnati, Ohio.	‡Tuxedo Soy Bean Oil Meal
East Coast Trading Co., Baltimore, Md.	Oberco 50% Meat and Bone Scrap
" " "	*Oberco 50% Meat and Bone Scrap
" " "	Oberco 50% Meat and Bone Scrap
" " "	*Oberco 50% Meat and Bone Scrap
" " "	Oberco 45% Meat and Bone Scrap
" " "	Oberco 45% Meat and Bone Scrap
" " "	*E-C Pure Fish Meal
" " "	*E-C Pure Fish Meal
" " "	*E-C Pure Fish Meal
" " "	*E-C Pure Fish Meal
Eastern Cotton Oil Co., Norfolk, Va.	Soya Bean Meal
" " "	Soya Bean Meal
Eastern Grain Growers, Hagerstown, Md.	Atlantic States Br. Prime 41% Cottonseed Meal
" " "	Atlantic States Br. Prime 41% Cottonseed Meal
" " "	‡Farmers Special Dairy Feed
" " "	Atlantic States Egg Mash
" " "	‡Atlantic States Starting and Growing Mash
" " "	‡Atlantic States Horse Feed
" " "	‡Atlantic States Hog Feed
" " "	Atlantic States Scratch Feed
Eastern States Farmers Exchange, Springfield, Mass.	‡Highland 20
" " "	‡Milk Egg Mash
" " "	Milk Egg Mash, with Cod Liver Oil
" " "	Starting and Growing Mash
" " "	Starting and Growing Mash, with Cod Liver Oil
Easton Milling Co., Easton, Md	Talbot Dairy Feed
" " "	Talbot All Mash Start'g and Growing, with BM.
" " "	Talbot Laying Mash, with DBM
" " "	Talbot Pasture Feed
" " "	Chick Feed
W. T. Eddington & Son, Federalsburg, Md.	†Turkey Mash
" " "	‡Turkey Mash
" " "	Hog Feed
" " "	‡Hog Feed
Edwards Distributing Co., Balto., Md.	‡Pure Ground Fish Meal

* Means deficient in protein or fat.
† Means deficient in both protein and fat.
‡ Not licensed at time of sale.

SAMPLED FROM	Moisture	PROTEIN Guaranteed	PROTEIN FOUND	FAT Guaranteed	FAT FOUND	FIBRE Guaranteed	FIBRE FOUND	Ash	Nitrogen Free Extract	INGREDIENTS
Chestertown....	6.11	35.14	**32.47**	1.00	**x1.16**	.....	.....	8.05	.....	As declared on sack
Baltimore.....	10.52	14.00	**18.69**	3.00	**3.35**	3.00	**1.89**	1.89	63.66	A. As decl'd on sack
Oakland.....	11.06	13.80	**19.31**	3.10	**5.55**	13.00	**9.51**	5.88	48.69	As declared on sack
Pocomoke City .	6.49	55.00	**52.13**	7.00	**9.39**	3.00	**1.02**	29.50	1.47	As declared on sack
Pocomoke City .	9.83	20.00	**20.45**	5.00	**4.80**	8.00	**7.96**	8.03	48.93	" "
Pocomoke City .	9.84	18.00	**18.08**	4.00	**4.46**	7.00	**4.75**	7.00	55.87	A. As decl'd on sack
Pocomoke City .	9.21	18.00	**18.25**	4.00	**4.16**	7.00	**6.12**	9.55	52.71	B.
Hagerstown	8.85	40.00	**42.38**	4.50	**7.09**	7.00	**5.35**	5.44	30.89	As declared on sack
New Windsor...	6.47	50.00	**49.26**	8.00	**12.55**	3.00	**1.39**	30.24	.09	As declared on sack
Derwood.....	7.24	50.00	**48.44**	8.00	**11.73**	3.00	**.95**	30.27	1.37	" "
Derwood.....	6.06	50.00	**49.74**	8.00	**10.93**	3.00	**1.14**	30.33	1.80	" "
Derwood.....	8.55	50.00	**47.70**	8.00	**13.09**	3.00	**1.51**	28.98	.17	" "
Denton.....	6.67	45.00	**45.46**	8.00	**10.57**	3.00	**1.97**	34.91	.42	" "
Chewsville.....	6.60	45.00	**44.23**	8.00	**10.83**	3.00	**1.79**	34.74	1.81	" "
Derwood.....	8.23	60.00	**59.94**	8.00	**6.47**	1.00	**.45**	19.28	5.63	" "
Snow Hill.....	7.68	60.00	**60.38**	8.00	**5.30**	1.00	**.49**	19.97	6.18	" "
Keymar.....	6.15	60.00	**61.25**	8.00	**6.38**	1.00	**.79**	17.74	7.69	" "
Westminster....	7.97	60.00	**60.55**	8.00	**6.72**	1.00	**.59**	19.24	4.93	" "
Frederick.....	6.91	48.00	**50.20**	5.50	**6.13**	8.00	**5.12**	6.30	25.34	As declared on sack
Easton.....	7.28	48.00	**49.58**	5.50	**6.17**	8.00	**5.13**	6.79	25.05	" "
Reid.....	6.44	41.00	**43.18**	5.00	**6.37**	12.00	**9.56**	6.33	28.12	As declared on sack
Westminster....	7.59	41.00	**41.94**	5.00	**5.41**	12.00	**10.95**	7.11	27.00	" "
Hagerstown	10.08	16.00	**18.68**	3.00	**5.58**	12.00	**13.29**	7.44	44.93	C.
Hagerstown	9.50	20.00	**22.46**	4.00	**4.79**	6.50	**5.52**	10.46	47.27	As declared on sack
Hagerstown.....	10.07	16.00	**16.23**	4.00	**3.80**	6.00	**4.43**	10.00	**55.47**	" "
Hagerstown	10.91	10.00	**9.98**	3.00	**3.88**	16.00	**8.16**	3.20	63.87	" "
Hagerstown	9.16	20.00	**21.15**	4.00	**3.83**	6.50	**5.24**	7.88	52.74	" "
Hagerstown	11.01	9.00	**11.06**	2.50	**2.54**	5.00	**2.06**	1.33	72.00	" "
Denton.....	10.35	20.00	**21.33**	3.50	**3.57**	12.00	**11.39**	7.51	45.85	D. As decl'd on sack
Denton.....	7.96	16.50	**18.69**	4.00	**4.63**	6.50	**5.93**	8.91	53.88	As declared on sack
Denton.....	9.65	16.50	**17.20**	4.00	**5.42**	6.50	**5.40**	8.23	54.10	" "
Denton.....	9.03	16.50	**18.60**	4.00	**4.46**	6.00	**3.87**	7.41	56.63	D. As decl'd on sack
Denton.....	8.97	16.50	**18.60**	4.00	**5.55**	6.00	**4.14**	8.32	54.42	As declared on sack
Easton.....	11.23	20.00	**20.39**	4.00	**4.17**	8.00	**7.56**	6.54	50.11	E.
Easton.....	9.99	15.00	**15.97**	4.50	**4.15**	6.00	**5.45**	7.76	56.68	D. As decl'd on sack
Easton.....	9.65	18.00	**18.78**	4.00	**4.59**	8.00	**7.98**	8.93	50.07	D. " "
Easton.....	10.20	16.00	**16.65**	3.00	**3.43**	10.00	**6.65**	6.49	56.58	As declared on sack
Easton.....	11.60	10.00	**10.97**	3.50	**3.70**	3.00	**1.61**	1.76	70.36	F.
E. New Market.	8.32	17.50	**16.06**	5.00	**4.44**	10.00	**8.08**	13.67	49.43	As declared on sack
Federalsburg....	7.66	17.50	**17.81**	5.00	**5.25**	10.00	**9.61**	12.29	47.38	" "
E. New Market.	8.57	14.00	**14.04**	3.50	**3.67**	6.00	**5.16**	8.94	59.62	" "
Federalsburg....	10.65	14.00	**13.95**	3.50	**3.61**	6.00	**5.43**	8.74	57.62	" "
Baltimore.....	7.35	60.00	**60.81**	4.00	**9.40**	1.75	**2.17**	19.63	.64	As declared on sack

A—Protein guarantee on sack differs from license.
B—Also detected alfalfa meal and ground oats.
C—Also detected bone meal, calcium carbonate and salt.
D—Ingredients on sack differ from license.
E—Fibre guarantee and ingredients on sack differ from license; unable to detect ground barley; also detected ground wheat.
F—Also detected cut oat groats.
x Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND ADDRESS	NAME OF FEED
Englar & Sponseller, Westminster, Md.	Meadow-Brook Dairy Feed
" " "	*Meadow-Brook Laying Mash
Enterprise Tallow & Grease Co., Phila., Pa.	Del-Mar-Va Ground Meat and Bone
" " "	Del-Mar-Va Ground Meat and Bone
" " "	*Del-Mar-Va Ground Meat and Bone
" " "	Del Mar-Va Ground Meat and Bone
" " "	*Del-Mar-Va Ground Meat and Bone
" " "	Del-Mar-Va Ground Meat and Bone
" " "	*Del-Mar-Va Ground Meat and Bone
" " "	Del-Mar-Va Ground Meat and Bone
" " "	*Del-Mar-Va Ground Meat and Bone
" " "	Del-Mar-Va Ground Meat and Bone
" " "	Del-Mar-Va Ground Meat and Bone
John W. Eshelman & Sons, Lancaster, Pa.	Golden Rod 25 Dairy Feed
" " "	Challenge Dairy Feed
" " "	Red Rose 24 Dairy Feed
" " "	Lancaster 20 Dairy Feed
" " "	Conestoga 20 Dairy Feed
" " "	Pennsy 16 Dairy Feed
" " "	Red Rose Laying Mash
" " "	Red Rose Growing Mash
" " "	*Red Rose Hog Meal
" " "	Wheat Bran, with M. R. S.
" " "	Red Rose Corn Feed Meal
" " "	Lancaster Pigeon Feed
" " "	‡Lancaster Pigeon Feed
Fairchild Milling Co., Cleveland, Ohio.	Standard Middlings with Ground Screenings, N. Ex. M. R.
" " "	Standard Mid'gs, with Gr. Screen. N. Ex. M. R.
Fairfield West. Maryland Dairy, Balto., Md.	*Skim Milk Powder
Fairmont Creamery Co., Omaha, Neb.	Better Pure Flake Buttermilk
Farmers Feed Co., New York, N. Y.	"Bull Brand" Dried Brewers Grains
" " "	Molasses Bull Brand Dried Brewers Grains
Farmers Fertilizer & Feed Co., Westminster, Md.	24% Dairy Feed
" " "	Favorite Laying Mash
	Favorite Pig Meal
Federal Milling Co., Hagerstown, Md.	Fancy Wheat Bran
" " "	Fancy Wheat Mid'gs, with Screen. N. Ex. M. R.
" " "	Fancy Wheat Middlings
Feed-Mor Products Co., Westminster, Md.	Meat Meal
" " "	Meat Meal
" " "	Meat Meal
" " "	Meat Meal
" " "	Meat Meal
" " "	Tankage
" " "	Tankage

* Means deficient in protein or fat.
‡ Not licensed at time of sale.

SAMPLED FROM	Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
Westminster....	8.25	24.00	**25.97**	4.50	**5.09**	12.00	**9.17**	6.43	45.09	As declared on sack
Westminster....	9.55	20.45	**23.43**	5.50	**4.76**	10.75	**9.60**	7.88	44.78	" "
Denton.....	7.37	55.00	**60.81**	10.00	**10.38**	2.00	**1.84**	19.50	.10	As declared on sack
Salisbury.....	7.21	55.00	**58.58**	10.00	**10.74**	2.00	**2.43**	20.87	.17	" "
Elkton.....	6.91	50.00	**49.94**	10.00	**9.35**	2.00	**1.80**	31.81	.19	" "
Denton.....	5.75	50.00	**49.23**	10.00	**10.46**	2.00	**1.74**	31.48	1.34	" "
Easton.....	7.03	50.00	**48.62**	10.00	**10.16**	2.00	**1.61**	31.56	1.02	" "
Federalsburg....	6.75	50.00	**49.67**	10.00	**10.24**	2.00	**1.71**	31.57	.06	" "
Snow Hill.....	6.43	50.00	**48.62**	10.00	**11.09**	2.00	**1.71**	31.96	.19	" "
Elkton.....	6.37	50.00	**49.93**	10.00	**10.23**	2.00	**2.14**	29.08	2.25	" "
Snow Hill.....	6.36	50.00	**48.00**	10.00	**11.11**	2.00	**2.17**	30.84	1.52	" "
Denton.....	5.62	45.00	**46.51**	10.00	**12.10**	2.00	**2.09**	31.47	2.21	" "
Federalsburg....	6.06	45.00	**45.02**	10.00	**10.35**	2.00	**1.68**	34.90	1.99	" "
Sudlersville.....	8.49	25.00	**28.08**	5.00	**4.66**	11.00	**9.24**	8.22	41.31	As declared on sack
Snow Hill.....	9.50	24.00	**25.90**	4.00	**3.68**	11.00	**8.12**	9.76	43.04	A. As decl'd on sack
Boyds.....	10.24	24.00	**25.86**	4.00	**4.16**	11.00	**7.28**	5.55	46.91	As declared on sack
Salisbury.....	11.20	20.00	**22.43**	4.00	**3.79**	11.00	**7.98**	8.85	45.75	" "
Hampstead.....	10.61	20.00	**22.86**	4.00	**3.74**	11.00	**9.99**	9.60	43.20	B.
Boyds.....	10.69	16.00	**16.01**	3.00	**4.71**	11.00	**7.94**	6.66	53.99	As declared on sack
Boyds.....	8.55	20.00	**20.27**	5.00	**5.95**	7.00	**6.54**	8.93	49.76	" "
Princess Anne...	9.39	16.00	**17.02**	4.00	**4.66**	7.00	**7.60**	5.81	55.52	" "
Baltimore.....	10.54	16.00	**20.45**	5.00	**4.32**	10.00	**8.08**	7.48	49.13	" "
Big Spring.....	9.33	13.00	**17.20**	3.00	**3.70**	13.00	**10.54**	6.85	52.38	C. As decl'd on sack
Reisterstown...	12.90	8.00	**9.48**	3.00	**5.88**	4.00	**2.64**	1.46	67.64	As declared on sack
Baltimore.....	10.95	12.00	**14.30**	3.00	**3.20**	3.00	**3.22**	2.24	66.09	" "
Elkton.....	11.40	12.00	**14.30**	3.00	**3.29**	3.00	**3.14**	1.78	66.09	" "
Owings Mills ...	10.08	15.00	**17.38**	4.00	**5.37**	9.00	**7.02**	4.64	55.51	As declared on sack
Laurel.....	10.06	15.00	**18.43**	4.00	**5.38**	9.00	**6.71**	4.26	55.16	" "
Baltimore.....	7.10	35.00	**33.61**	.50	x.**49**	.....	.....	7.95	.....	As declared on sack
Baltimore.....	7.21	32.00	**33.52**	6.00	x**8.01**	.....	.....	11.39	.....	As declared on sack
Baltimore.....	7.10	22.00	**28.46**	6.00	**6.43**	17.00	**14.00**	3.51	40.50	As declared on sack
Providence.....	7.71	20.00	**22.18**	6.00	**6.08**	17.00	**10.99**	3.96	49.08	" "
Westminster....	8.38	24.00	**25.97**	4.00	**3.80**	12.00	**11.73**	6.42	43.70	As declared on sack
Westminster....	9.32	20.00	**22.20**	5.00	**4.51**	10.00	**9.71**	7.15	47.11	" "
Westminster....	9.16	18.00	**19.48**	5.00	**5.93**	10.00	**6.75**	6.53	52.15	" "
Hagerstown	10.60	15.00	**16.15**	4.00	**4.94**	9.50	**9.97**	6.58	51.76	As declared on sack
Hagerstown	10.65	15.50	**16.58**	4.00	**4.79**	6.00	**4.08**	3.76	60.14	" "
Cumberland....	10.80	15.50	**16.06**	4.00	**4.30**	6.00	**4.38**	3.68	60.78	" "
Westminster....	6.33	55.00	**62.13**	5.00	**9.76**	4.00	**1.19**	20.53	.06	As declared on sack
Glyndon.....	6.60	55.00	**60.29**	5.00	**8.91**	4.00	**1.15**	22.93	.12	" "
Sykesville.....	8.02	55.00	**58.53**	5.00	**10.55**	4.00	**1.03**	21.67	.20	" "
Westminster....	6.33	55.00	**58.36**	5.00	**11.25**	4.00	**1.07**	22.64	.35	" "
Hampstead.....	6.18	50.00	**50.37**	5.00	**16.02**	4.00	**2.16**	24.80	.47	" "
Hampstead.....	5.53	35.00	**38.08**	5.00	**7.82**	5.00	**4.53**	20.74	23.30	" "
Westminster....	6.01	35.00	**38.00**	5.00	**27.22**	5.00	**5.81**	19.45	3.51	D.

A—Ingredients on sack differ from license.
B—Also detected a small amount of whole weed seeds.
C—Fat guarantee on sack differs from license.
D—Also detected vegetable fibrous material and hoof meal.
x Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND ADDRESS	NAME OF FEED
Fernando Valley Milling & Supply Co., Los Angeles, Calif.	Alfalfa Flour
" " "	Dehydrated Alfalfa Meal
" " "	Ideal Poultry Greens
	*Ideal Poultry Greens
J. A. Forrest, Minneapolis, Minn.	Alpine Ground Feeding Oatmeal
" " "	Alpine Oat Middlings
J. W. Frush, Alesia, Md.	‡Wheat Bran
" " "	‡*Wheat Middlings
Galesburg Milling Co., Galesburg, Ill.	‡Dependable Horse Feed
" " "	‡*Double X Horse Feed
" " "	Gamo Horse Feed
" " "	‡*Gamo Developer Feed
" " "	‡*Biddy's Chick Feed
" " "	‡Special Scratch Feed
Gambrill Grain Products Company, Baltimore, Md.	Aliceanna Laying Mash
	Aliceanna Growing Mash
General Mills, Inc., Minneapolis, Minn.	‡Eventually Gold Medal Poultry Fattener
" " "	Gold Medal Hard Wheat Bran and Wheat Scr's
" " "	Eventually Gold Medal Devel. Feed No Grit
" " "	Gold Medal Chick Starter, with DBM
Glade Valley Mill. Co., Walkersville, Md.	Gee Vee Laying Mash
Great Atl. & Pacific Tea Co., New York, N. Y.	Daily Egg Scratch Feed N. G.
Green-Mish Co., Washington, D. C.	"Green Tag Brand" Cottonseed Meal
" " "	"Green Tag Brand" Cottonseed Meal
" " "	"Green Tag Brand" Cottonseed Meal
" " "	"Green Tag Brand" Cottonseed Meal
" " "	"Green Tag Brand" Cottonseed Meal
" " "	"Green Tag Brand" Prime Peanut Meal
" " "	"Green Tag Brand" Prime Peanut Meal
Gwinn Milling Co., Columbus, Ohio.	‡Standard Wheat Mid., with Screen. N. Ex. M.R.
" " "	‡Standard Middlings
Hales & Hunter Co., Chicago, Ill.	‡*Gold Flake Dairy Feed
" " "	‡Gold Flake Dairy Feed
" " "	Morning Glory Egg Mash, with DBM
" " "	‡Red Comb Growing Mash, with DBM
" " "	‡Morning Glory Fine Chick N. G.
" " "	‡Red Comb Coarse Chick
" " "	‡Morning Glory Scratch Feed
" " "	‡Pound Squab Pigeon Feed No Grit
Hall Milling Co., St. Louis, Mo.	Palace Pure Wheat Bran
Hampstead Fert. Co., Hampstead, Md.	*Home Made Dairy Feed
Hampstead Milling Co., Hampstead, Md.	Hamco Egg Mash

* Means deficient in protein or fat.
‡ Not licensed at time of sale.

SAMPLED FROM	Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
Baltimore	12.20	23.00	**23.69**	4.00	**5.04**	10.00	**12.09**	13.44	33.54	As declared on sack
Baltimore	9.46	20.00	**20.36**	3.00	**3.03**	20.00	**14.57**	16.66	35.92	" "
Baltimore	7.23	20.00	**19.57**	3.00	**2.68**	18.00	**16.40**	12.05	42.07	" "
Baltimore	12.29	20.00	**19.48**	3.00	**2.20**	18.00	**18.39**	13.68	33.96	" "
Baltimore	9.60	14.00	**17.72**	5.00	**7.35**	3.90	**3.65**	2.33	59.35	As declared on sack
Baltimore	7.71	14.00	**15.36**	5.00	**5.78**	12.00	**9.38**	4.26	57.51	" "
Alesia	10.50	13.00	**16.38**	3.50	**4.72**	8.00	**10.62**	5.73	52.05	As declared on sack
Alesia	11.00	13.00	**12.29**	3.00	**2.31**	5.00	**1.53**	2.11	70.76	" "
Baltimore	10.54	10.50	**10.46**	3.00	**2.68**	11.50	**11.04**	5.70	59.58	As declared on sack
Baltimore	10.57	10.00	**10.31**	4.50	**3.02**	6.00	**9.56**	4.60	61.94	" "
Baltimore	10.65	10.50	**10.66**	3.50	**3.59**	9.00	**9.49**	4.93	60.68	" "
Baltimore	10.68	10.00	**11.58**	3.50	**2.79**	3.50	**2.63**	1.29	71.03	" "
Baltimore	11.32	10.00	**11.23**	4.00	**2.98**	3.00	**2.10**	1.42	70.95	" "
Baltimore	10.82	10.00	**10.35**	3.00	**3.11**	3.00	**2.43**	1.47	71.82	" "
Baltimore	8.66	20.00	**20.71**	3.50	**5.14**	8.00	**6.42**	8.13	50.94	A.
Baltimore	9.22	16.00	**17.99**	4.00	**5.32**	7.00	**5.65**	6.75	55.07	As declared on sack
Cumberland	8.68	14.00	**15.44**	4.50	**4.75**	6.00	**5.37**	1.51	64.25	As declared on sack
Cumberland	9.77	14.00	**15.80**	4.00	**4.20**	12.00	**10.59**	6.50	53.14	" "
Cumberland	10.01	10.00	**12.37**	2.50	**2.33**	5.00	**2.06**	1.54	71.69	" "
Grantsville	12.01	17.00	**18.25**	4.00	**4.47**	5.00	**4.54**	9.20	51.53	" "
Walkersville	9.04	20.00	**22.82**	5.00	**5.05**	6.00	**5.12**	12.95	45.02	As declared on sack
Mt. Rainier	12.36	10.00	**10.19**	2.50	**2.60**	5.50	**2.65**	1.69	70.51	As declared on sack
Elkton	7.70	41.00	**41.07**	6.00	**6.29**	10.00	**9.15**	5.67	30.12	As declared on sack
Westminster	6.35	41.00	**43.88**	6.00	**6.63**	10.00	**9.55**	6.14	27.45	" "
Derwood	8.26	41.00	**40.98**	6.00	**6.00**	10.00	**10.90**	5.89	27.97	" "
Keymar	6.90	41.00	**40.89**	6.00	**6.11**	10.00	**11.25**	5.85	29.00	" "
Germantown	7.53	41.00	**40.98**	6.00	**6.04**	10.00	**11.42**	6.36	27.67	" "
Carson's Run	7.86	45.00	**49.76**	6.00	**7.25**	12.00	**5.79**	6.14	23.20	" "
Germantown	10.07	45.00	**45.46**	6.00	**7.15**	12.00	**14.62**	5.16	17.54	" "
Keymar	9.72	14.00	**16.18**	3.50	**3.16**	9.00	**4.94**	4.57	61.43	B.
Middleburg	9.82	14.00	**16.54**	3.50	**3.29**	9.00	**4.77**	4.32	61.26	B.
Walkersville	9.24	16.00	**18.44**	3.50	**2.52**	15.00	**13.55**	8.44	47.81	C. As decl'd on sack
Cumberland	9.18	16.00	**18.30**	3.50	**3.73**	15.00	**12.43**	10.77	45.59	C. As decl'd on sack
Baltimore	8.24	20.00	**20.18**	4.50	**4.09**	8.00	**6.68**	7.63	53.18	As declared on sack
Baltimore	7.66	15.00	**17.29**	4.00	**4.88**	6.00	**5.77**	8.68	55.72	" "
Baltimore	10.60	10.00	**11.58**	2.50	**2.36**	5.00	**1.37**	1.53	72.56	" "
Walkersville	10.56	10.00	**12.29**	2.50	**2.62**	5.00	**2.37**	1.82	70.34	" "
Baltimore	10.70	10.00	**12.55**	2.50	**3.31**	5.00	**3.16**	1.66	68.62	" "
Baltimore	10.14	10.00	**15.97**	2.50	**2.74**	5.00	**3.58**	1.84	65.73	" "
Manchester	10.34	15.00	**16.76**	4.00	**4.65**	10.50	**9.03**	7.13	52.09	As declared on sack
Hampstead	7.24	32.00	**33.96**	5.00	**4.45**	9.00	**7.56**	8.53	38.26	C. As decl'd on sack
Hampstead	8.72	20.00	**22.73**	4.00	**4.60**	8.00	**7.17**	11.83	44.95	As declared on sack

A—Unable to detect corn gluten meal.
B—Product consists of a mixture wheat and rye tissues, rye being in considerable amount more than could be accounted for in good milling practice.
C—Ingredients on sack differ from license.

MANUFACTURER AND ADDRESS	NAME OF FEED
Frank Harbaugh, Middleburg, Md.	*Middleburg Special Dairy Feed
" " "	*Use More Dairy Feed
" " "	Use More Egg and Growing Mash
" " "	Use More Oat Clips and Grain Screenings
Hecker-H-O Co., Inc., Buffalo, N. Y.	Fine Ground Oat Groats
R. L. Heflin, Inc., Sherman, Texas.	‡41% Brand Cottonseed Cake or Meal
John P. Howard, Hagerstown, Md.	Poultry Mash
" " "	Pigeon Feed with Corn
Humphreys-Godwin Co., Memphis, Tenn.	Dixie Brand Cottonseed Meal
Hurlock Milling Co., Hurlock, Md.	Best Quality Laying Mash
" " "	*Best Quality Pig Meal
Huston, Culver & Co., Seaford, Del.	Fish Meal
" " "	*Fish Meal
" " "	Fish Meal
Illinois Linseed Meal Co., Chicago Hts., Ill.	Linseed Meal and Screenings Oil Feed
Independent Manuf. Co., Phila., Pa.	55% Beef Scrap and Bone
" " "	50% Beef Scrap and Bone
Ingleside Milling Co., Ingleside, Md.	Laying Mash
" " "	Turkey Mash
W. J. Jennison Co., Minneapolis, Minn.	Sweet Cream Pure Wheat Bran
" " "	Sweet Cream Wheat Standard Middlings, with Ground Screenings
R. D. Johnson Mill. Co., Cumberland, Md.	Atlas Stock Feed
" " "	*Wheat Bran and Screenings
" " "	White Middlings
" " "	Wheat Shorts
Kasco Mills, Inc., Waverly, N. Y.	‡32% Mixing Feed
" " "	‡Apex Heavy Flow Dairy Feed
" " "	Mormilk Dairy Ration
" " "	‡Oc-Sak Laying Mash
" " "	Apex Laying Mash
" " "	‡Laying Mash
" " "	All Mash Laying Food
" " "	‡26% Mash Supplement
" " "	‡Calf Meal
Key Grain & Feed Co., Keymar, Md.	32% Dairy Ration
" " "	Dairy Ration
" " "	Detour Laying Mash
" " "	Laying Mash
" " "	Growing Mash
" " "	Growing Mash
" " "	Starting and Growing Mash

* Means deficient in protein or fat.
‡ Not licensed at time of sale.

SAMPLED FROM	Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
Middleburg.....	8.89	24.00	**28.26**	4.00	**3.01**	10.00	**9.36**	7.05	43.43	A. As decl'd on sack
Medford.....	12.97	16.50	**19.43**	4.00	**3.26**	10.00	**15.11**	7.84	41.39	B.
Middleburg.....	9.51	20.00	**21.85**	4.00	**3.78**	7.00	**6.71**	6.89	51.26	As declared on sack
Middleburg.....	10.48	10.00	**11.34**	1.00	**2.14**	16.00	**15.31**	9.70	51.03	C. As decl d on sack
Frederick.....	6.40	12.00	**12.72**	5.00	**7.10**	2.00	**1.19**	1.83	70.76	As declared on sack
Derwood.....	5.75	41.00	**40.98**	5.00	**7.14**	14.00	**11.85**	5.76	28.52	As declared on sack
Hagerstown	7.98	19.50	**19.13**	5.00	**4.52**	7.00	**6.47**	12.19	49.71	As declared on sack
Hagerstown	10.68	12.50	**11.85**	3.25	**3.28**	3.50	**3.17**	1.82	69.20	" "
Thurmont.....	8.41	41.12	**41.42**	5.00	**5.44**	10.00	**9.20**	7.84	27.69	C. As decl'd on sack
Hurlock.....	8.66	20.00	**21.59**	4.50	**4.43**	9.00	**7.16**	11.95	46.21	As declared on sack
Hurlock.....	9.85	18.00	**20.62**	4.50	**3.57**	8.00	**4.84**	9.42	51.70	D.
Berlin.....	7.00	60.00	**60.38**	5.00	**6.32**	2.00	**.69**	18.13	7.48	E. As decl'd on sack
Cambridge.....	8.14	60.00	**60.11**	5.50	**4.57**	1.00	**1.60**	21.31	4.27	As declared on sack
Cambridge.....	8.09	60.00	**62.57**	5.50	**5.81**	1.00	**.67**	19.86	3.00	" "
Baltimore.....	7.88	30.00	**30.01**	6.00	**7.59**	10.00	**8.95**	8.70	36.87	As declared on sack
Denton.....	5.02	55.00	**54.14**	8.00	**11.45**	3.00	**2.29**	25.90	1.20	As declared on sack
Denton.....	5.50	50.00	**52.65**	8.00	**11.36**	3.00	**2.39**	27.98	.12	" "
Ingleside.....	8.88	17.00	**18.69**	3.50	**4.48**	9.50	**9.17**	9.47	49.31	As declared on sack
Ingleside.....	6.44	20.00	**21.94**	4.50	**5.05**	15.00	**12.10**	13.92	40.55	" "
Friendsville.....	8.70	15.00	**18.43**	4.00	**5.61**	12.00	**9.83**	6.41	51.02	As declared on sack
Friendsville.....	11.15	15.50	**19.13**	4.50	**5.38**	9.50	**7.98**	4.40	51.96	" "
Cumberland....	8.01	9.00	**11.06**	3.00	**3.99**	12.00	**9.39**	8.63	58.92	F.
Cumberland....	9.50	15.02	**18.95**	5.22	**4.67**	8.70	**8.60**	6.39	51.89	G. As decl'd on sack
Cumberland....	10.94	15.02	**16.23**	4.19	**4.47**	3.17	**2.61**	2.03	63.76	As declared on sack
Cumberland....	11.15	17.00	**19.66**	5.00	**5.81**	6.00	**5.33**	2.17	55.88	H.
Hagerstown	8.34	32.00	**34.04**	5.00	**4.93**	10.00	**8.66**	5.70	38.33	As declared on sack
Oakland.....	10.76	24.00	**25.05**	4.50	**4.35**	12.00	**10.45**	7.54	41.85	" "
Maple Grove ...	10.75	24.00	**25.41**	4.50	**4.65**	10.00	**7.61**	7.04	44.54	" "
Hancock.....	8.65	17.00	**18.78**	3.50	**5.79**	8.50	**7.51**	11.35	47.92	" "
Maple Grove ...	8.18	20.00	**20.62**	4.00	**5.31**	8.50	**7.10**	13.41	45.38	" "
Oakland.....	8.99	20.00	**21.24**	4.00	**5.81**	6.50	**6.96**	12.20	44.80	" "
Maple Grove ...	8.59	15.00	**17.81**	4.00	**5.87**	6.00	**5.87**	9.72	52.14	" "
Hancock.....	8.12	26.00	**25.97**	5.00	**5.84**	6.50	**7.18**	14.50	38.39	A. As decl'd on sack
Hancock.....	9.09	21.00	**22.20**	3.50	**4.20**	4.50	**4.39**	7.54	52.58	As declared on sack
Keymar.....	7.99	32.00	**34.04**	4.75	**5.10**	9.00	**9.02**	5.71	38.14	As declared on sack
Keymar.....	8.96	20.00	**23.34**	4.00	**4.17**	11.00	**8.36**	6.32	48.85	" "
Alesia.....	8.51	19.00	**20.53**	4.50	**4.60**	7.00	**8.63**	9.30	48.43	" "
Alesia.....	9.30	19.00	**20.27**	5.00	**4.85**	7.00	**5.46**	8.34	51.78	" "
Alesia.....	9.12	16.00	**19.13**	4.25	**4.61**	7.00	**5.29**	8.08	53.77	" "
Keymar.....	8.91	16.00	**18.69**	4.25	**4.11**	7.00	**5.12**	6.37	56.80	" "
Alesia.....	9.09	16.00	**16.32**	4.50	**4.81**	6.00	**9.51**	6.05	54.22	A. As decl'd on sack

A—Ingredients on sack differ from license.
B—Unable to detect linseed oil meal; also detected whole weed seeds.
C—Fibre guarantee on sack differs from license.
D—Also detected linseed oil meal and mineral.
E—Fat and fibre guarantee on sack differ from license.
F—Also detected whole weed seed coats, chaff, whole and broken wheat kernels, dirt, etc.
G—Protein, fat and fibre guarantee on sack differ from license.
H—Also detected screenings.

MANUFACTURER AND ADDRESS	NAME OF FEED
Key Grain & Feed Co., Keymar, Md. (Cont.)	Pig Meal
" " "	*Pure Corn Meal for Animal Consumption
" " "	Scratch Grains
Geneva King, Damascus, Md.	Mo-Egg Laying Mash
" " "	*Special Hog Feed
" " "	†Special Hog Feed
" " "	*Pure Wheat Bran
" " "	Pure Wheat Middlings
King Bros. & Co., Philadelphia, Pa.	Pure Dried Skim Milk
H. H. King Flour Mills Co., Minneapolis, Minnesota.	Fancy Brodflake Wheat Bran and Ground Wheat Screenings
King Midas Mill Co., Minneapolis, Minn.	Wheat Standard Mid. and Gr. Wheat Screen'gs.
J. N. Kirk, Middletown, Del.	Uniform Dairy Ration
Charles F. Knock, Frederick, Md.	Growing Mash, with BM
Chas. A. Krause Milling Co., Milwaukee, Wisconsin.	Badger 16% Sweet Dairy Feed
" " "	Blue Top Egg Mash
" " "	Blue Top Horse Feed
" " "	‡Badger Horse and Mule Feed
" " "	Blue Top Developer Feed N. G.
" " "	*Blue Top Chick Feed N. G.
Larrowe Milling Co., Detroit, Mich.	Larro The Ready Ration for Dairy Cows
" " "	Larro The Ready Ration for Dairy Cows
" " "	Larro Poultry Fattening Feed
" " "	Larro B oiler Feed
" " "	Larro Turkey and Game Bird Developer
" " "	Dried Beet Pulp
" " "	Larro Chick Starter
" " "	Larro Chick Starter
Liberty Milling Co., Germantown, Md.	*Montgomery 26% Dairy Ration
" " "	22% Dairy Ration
" " "	Egg Mash
" " "	Growing Mash
" " "	Baby Chick Starter
Linwood Elevator Co., Inc., Linwood, Md.	Laying Mash
" " "	*Complete Pig Meal
" " "	*Pigeon Feed
L. B. Lovitt & Co., Memphis, Tenn.	"Lovit Brand" 43% Cottonseed Meal
" " "	"Lovit Brand" 41% Cottonseed Meal
" " "	"Lovit Brand" 41% Cottonseed Meal
Maney Milling Co., Omaha, Neb.	‡Gray Wheat Shorts
Marianna Sales Co., Memphis, Tenn.	‡White Mule Brand 41% Prime Cottonseed Meal
" " "	‡White Mule Brand 41% Prime Cottonseed Meal

* Means deficient in protein or fat.
† Means deficient in both protein and fat.
‡ Not licensed at time of sale.

SAMPLED FROM	Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
Detour	9.88	17.00	**18.43**	4.00	**4.50**	7.00	**5.69**	9.11	52.39	As declared on sack
Keymar	11.85	10.00	**8.95**	4.00	**3.99**	3.00	**1.99**	1.69	71.53	" "
Keymar	10.50	10.00	**10.18**	2.75	**3.45**	4.00	**2.98**	1.93	70.96	" "
Damascus	7.80	20.00	**20.27**	5.00	**4.59**	8.00	**7.89**	9.45	50.00	As declared on sack
Damascus	9.76	17.00	**18.08**	5.00	**3.78**	9.00	**7.62**	8.37	52.39	" "
Damascus	6.30	17.00	**15.71**	5.00	**2.98**	9.00	**6.64**	6.58	61.79	A.
Damascus	9.80	14.00	**14.30**	4.50	**3.33**	9.00	**9.54**	5.77	57.26	As declared on sack
Damascus	11.60	15.00	**15.97**	4.50	**5.43**	6.00	**6.00**	4.00	57.00	" "
Hampstead	9.18	30.00	**35.45**	1.00	x**1.57**	.....	.....	7.84	.....	As declared on sack
Berwyn	10.74	14.50	**16.32**	4.00	**4.24**	11.00	**9.87**	6.66	52.17	As declared on sack
Baltimore	9.42	15.00	**16.85**	4.00	**5.80**	9.50	**8.29**	4.89	54.75	As declared on sack
Cecilton	8.10	24.00	**24.79**	5.00	**5.12**	10.00	**10.05**	7.46	44.48	B. As decl'd on sack
Frederick	9.95	15.00	**16.94**	4.00	**4.81**	10.00	**3.79**	5.60	58.91	B. As decl'd on sack
Germantown	10.69	16.00	**16.89**	5.00	**4.84**	13.00	**10.12**	7.77	49.69	As declared on sack
Hampstead	8.55	20.00	**22.82**	4.00	**5.90**	7.50	**4.54**	7.16	51.03	" "
Baltimore	11.15	10.00	**11.23**	1.00	**2.15**	16.00	**11.85**	4.44	59.18	" "
Hampstead	10.72	8.00	**9.03**	1.00	**3.60**	12.00	**7.41**	3.03	66.21	" "
Hampstead	10.02	10.00	**11.14**	2.50	**3.29**	5.00	**1.92**	1.40	72.23	C.
Germantown	10.31	10.00	**10.79**	2.50	**1.98**	5.00	**1.38**	1.79	73.75	As declared on sack
Baltimore	8.82	20.00	**21.59**	4.00	**3.86**	12.00	**9.23**	6.58	49.92	As declared on sack
Buck Lodge	8.56	20.00	**21.32**	4.00	**4.02**	12.00	**10.28**	6.49	49.33	" "
Baltimore	7.89	14.00	**14.92**	4.00	**4.35**	7.50	**5.74**	7.97	59.13	" "
Baltimore	8.98	15.00	**16.67**	4.50	**5.04**	7.00	**5.51**	9.29	54.51	" "
Baltimore	8.26	16.50	**17.90**	4.50	**5.10**	7.00	**6.86**	9.42	52.46	" "
Gaithersburg	8.60	8.00	**9.30**	.50	**.47**	22.00	**18.44**	3.07	60.12	" "
Baltimore	8.51	16.50	**17.90**	4.50	**4.66**	5.00	**4.70**	8.24	55.99	" "
Silver Spring	7.93	16.50	**18.43**	4.50	**5.16**	5.00	**4.90**	8.80	54.78	" "
Germantown	9.83	26.00	**27.73**	5.00	**4.12**	9.00	**8.22**	7.53	42.57	As declared on sack
Germantown	7.31	22.00	**23.99**	5.00	**5.00**	10.00	**10.16**	7.75	45.79	B. As decl'd on sack
Germantown	9.64	19.00	**21.24**	4.50	**5.47**	7.00	**5.47**	12.32	45.86	B. " "
Germantown	9.76	18.00	**19.57**	4.00	**5.56**	6.50	**5.63**	11.80	47.68	D. " "
Germantown	9.36	12.00	**12.02**	4.00	**4.30**	3.50	**2.57**	7.01	64.74	As declared on sack
Linwood	9.03	18.00	**19.39**	4.50	**4.82**	8.00	**9.07**	10.54	47.15	As declared on sack
Linwood	10.33	15.00	**20.60**	5.00	**3.32**	6.00	**6.51**	7.74	51.50	E.
Linwood	11.20	14.00	**11.89**	2.50	**3.38**	5.00	**3.35**	2.21	67.97	As declared on sack
Providence	7.96	43.00	**42.79**	6.00	**6.34**	10.00	**9.34**	6.76	26.81	As declared on sack
Germantown	7.72	41.00	**42.47**	6.00	**6.00**	10.00	**9.08**	6.93	27.80	" "
Hagerstown	5.60	41.00	**41.86**	6.00	**5.53**	10.00	**11.76**	6.40	28.85	" "
Cumberland	10.40	16.50	**18.60**	4.00	**4.47**	5.00	**5.19**	4.90	56.44	As declared on sack
Lineboro	7.26	41.00	**44.23**	6.00	**6.26**	10.00	**10.68**	5.80	25.77	As declared on sack
Detour	7.92	41.00	**41.77**	6.00	**5.78**	10.00	**10.78**	6.12	27.63	" "

A—Also detected ground corn.
B—Ingredients on sack differ from license.
C—Unable to detect millet.
D—Protein guarantee and ingredients on sack differ from license.
E—Unable to detect molasses; also detected ground oats, ground barley, charcoal, calcium carbonate and salt.
x Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND ADDRESS	NAME OF FEED
Maritime Milling Co., Inc., Buffalo, N. Y.	*B-B Hi-Test Dairy Feed 24% Protein Sweet'ed
" " "	B-B Hi-Test Dairy Feed 24% Protein Sweet'ed
" " "	B-B Hi-Test Dairy Feed 20% Protein Sweet'ed
" " "	B-B Hi-Test Dairy Feed 20% Protein Sweet'ed
" " "	B-B Marmico 16% Prot. Dairy Feed, with Mol.
" " "	B-B Marmico 16% Prot. Dairy Feed, with Mol.
" " "	Vitamized B-B Daisy Egg Mash, with DBM. and Cod Liver Oil
" " "	B-B Daisy Egg Mash, with DBM.
" " "	B-B Daisy Egg Mash, with DBM.
" " "	‡B-B Daisy All Mash Starter and Growing Feed
" " "	B-B Daisy Horse Feed, with Alfalfa and Mol.
Marquis Milling Co., Scobey, Montana.	‡Pure Wheat Bran
Lewis S. Martin, Maugansville, Md.	Chick Starter
Mennel Milling Co., Toledo, Ohio.	Memo Pure Soft Wheat Bran
Metcalfe Bros., Chestertown, Md.	Chester Poult Mash
" " "	Chester Poult Mash
" " "	Chester Laying Mash
Leo H. Michael, Buckeystown, Md.	Hog Feed
Minn. Milling Co., Minneapolis, Minn.	‡Golden Pure Durum Wheat Flour Middlings
Mt. Airy Milling Co., Mt. Airy, Md.	*Lamore Egg Mash
" " "	Husky Growing Mash
" " "	Winter Wheat Bran, with M. R. S.
" " "	Winter Wheat Middlings, with M. R. S.
" " "	Husky Chick Starter
" " "	*Lamore Scratch Feed
Mutual Renderin Co., Inc., Phila., Pa.	Mureco Meat Scrap
" " "	Mureco Meat Scrap
" " "	Mureco Meat and Bone
" " "	*Mureco Meat and Bone
" " "	Mureco Meat and Bone
" " "	Mureco Meat and Bone
" " "	Mureco Meat and Bone
" " "	Mureco Meat and Bone
" " "	Mureco Meat and Bone
" " "	*Mureco Feeding Tankage
National Milling Co., Toledo, Ohio.	Pure Wheat Bran
" " "	Tolio
N. & G. Taylor Co., Cumberland, Md.	Refuse Cleaning Mixture
Nebraska Cons. Mills Co., Omaha, Neb.	Pure Wheat Bran
New Richmond Roller Mills Company, New Richmond, Wis.	Feeding Oatmeal

* Means deficient in protein or fat.
‡ Not licensed at time of sale.

SAMPLED FROM	Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
Baltimore	9.49	24.00	**24.95**	4.50	**3.80**	12.00	**9.70**	9.68	42.38	As declared on sack
Baltimore	10.29	24.00	**25.97**	4.50	**4.23**	12.00	**9.72**	7.57	42.22	" "
Baltimore	9.12	20.00	**21.24**	4.50	**4.41**	12.00	**9.22**	9.87	46.14	" "
Rockville	10.06	20.00	**22.06**	4.50	**4.55**	12 00	**9.72**	9.00	44.61	" "
Baltimore	9.48	16.00	**16.04**	4.00	**5.12**	12.00	**10.39**	12.24	46.73	" "
Baltimore	10.51	16.00	**19.27**	4.00	**4.08**	12.00	**10.66**	9.70	45.78	" "
Cumberland	10.50	18.00	**19.66**	3.50	**4.40**	7.00	**6.54**	8.30	50.60	" "
Silver Spring	9.14	18.00	**19.31**	3.50	**4.13**	7.00	**6.40**	8.79	52.23	" "
Rockville	10.83	18.00	**19.66**	3.50	**4.63**	7.00	**5.93**	5.77	53.18	" "
Baltimore	9.68	15.00	**16.06**	3.50	**4.57**	7.00	**6.13**	5.43	58.13	" "
Rockville	10.52	6.50	**9.64**	1.50	**2.50**	12.00	**13.18**	5.02	59.14	" "
Westminster	10.10	15.25	**19.57**	4.50	**5.40**	11.00	**9.54**	5.14	50.25	As declared on sack
Maugansville	9.13	16.00	**16.15**	4.00	**5.14**	7.00	**4.09**	8.12	57.37	A. As decl'd on sack
Lineboro	10.80	15.00	**15.53**	4.00	**4.51**	9.50	**9.32**	6.43	53.41	As declared on sack
Chestertown	7.66	20.00	**21.94**	5.00	**8.16**	14.00	**10.32**	12.83	39.09	As declared on sack
Chestertown	7.23	20.00	**21.32**	5.00	**5.58**	14.00	**11.96**	11.09	42.82	" "
Chestertown	8.39	20.00	**22.03**	5.00	**4.71**	10.00	**7.99**	11.59	45.29	" "
Buckeystown	9.92	18.00	**17.99**	4.00	**4.47**	7.00	**5.19**	7.61	54.82	B.
Hampstead	10.80	16.00	**17.99**	5.50	**6.46**	7.50	**6.17**	4.00	54.58	As declared on sack
Mt. Airy	7.62	19.00	**20.36**	5.50	**4.77**	8.00	**7.66**	11.56	48.03	As declared on sack
Mt. Airy	8.30	18.00	**21.15**	4.00	**5.41**	7.00	**6.63**	9.31	49.20	" "
Mt. Airy	11.10	15.00	**15.01**	4.00	**4.23**	10.50	**7.67**	5.81	56.18	" "
Mt. Airy	11.15	16.00	**16.41**	4.00	**4.89**	6.00	**5.95**	4.13	57.47	" "
Mt. Airy	11.25	15.00	**16.23**	4.00	**4.40**	6.00	**4.11**	7.56	56.45	" "
Mt. Airy	11.20	10.00	**10.71**	3.00	**2.43**	4.00	**2.41**	1.49	71.76	" "
Denton	6.01	55.00	**54.93**	6.00	**5.93**	2.00	**2.77**	23.88	6.48	As declared on sack
Federalsburg	6.14	55.00	**55.37**	6.00	**10.23**	2.00	**2.11**	25.73	.42	" "
Frederick	5.67	50.00	**50.72**	6.00	**10.87**	2.00	**2.09**	29.68	.97	" "
Frederick	6.35	50.00	**47.51**	6.00	**10.43**	2.00	**2.21**	31.20	2.30	" "
Federalsburg	6.27	50.00	**51.34**	6.00	**10.31**	2.00	**2.28**	27.70	2.10	" "
Chestertown	7.15	50.00	**52.65**	6.00	**8.88**	2.00	**1.71**	27.94	1.67	" "
Federalsburg	6.03	45.00	**46.77**	6.00	**10.67**	2.00	**1.96**	30.00	4.57	" "
Denton	6.50	45.00	**47.39**	6.00	**10.78**	2.00	**1.98**	30.85	2.50	" "
Federalsburg	6.18	45.00	**45.63**	6.00	**10.63**	2.00	**1.36**	34.45	1.75	" "
Frederick	10.20	60.00	**63.36**	6.00	**2.67**	4.00	**.43**	23.00	.34	C.
Derwood	11.63	14.00	**16.15**	3.00	**4.43**	10.00	**8.93**	6.75	52.11	As declared on sack
Middleburg	9.02	15.00	**16.50**	3.50	**4.45**	6.00	**4.29**	3.76	61.98	" "
Cumberland	8.47	14.00	**16.32**	5.50	**9.46**	10.00	**7.59**	4.53	53.63	As declared on sack
Frederick	10.20	15.50	**15.54**	3.50	**4.27**	11.00	**9.21**	6.71	54.07	As declared on sack
Grantsville	8.40	15.00	**15.80**	5.00	**4.74**	3.75	**2.64**	2.74	65.68	As declared on sack

A—Fibre guarantee on sack differs from license.
B—Also detected corn gluten feed, oat feed and molasses.
C—Product consists essentially of blood and bone.

MANUFACTURER AND ADDRESS	NAME OF FEED
Newsome Feed & Grain Co., Pittsburgh, Pa.	Palmo Midds
O. A. Newton & Son, Bridgeville, Del.	"Cedar View" Laying Mash
" " "	"Cedar View Special" Growing Mash
" " "	"Cedar View All-Mash" Chick Starter
Norton & Company, Washington, D. C.	Bone and Meat Scrap
Nowak Milling Corp., Hammond, Ind.	*Domino 32% Mixing Dairy Feed
" " "	*Domino 24½% Dairy Feed
" " "	Fidelity Dairy Feed
" " "	Domino Laying Mash, with BM
" " "	*Domino Laying Mash, with BM
" " "	Domino Laying Mash, with BM.
" " "	Domino Growing Mash, with BM.
" " "	Domino All Mash Starter and Grower
" " "	Domino Duo-fold Pel-ets
" " "	Domino Duo-fold Grain and Mash In One Pel-et
" " "	Domino Pep-O-Lene Horse Feed
" " "	Domino Chick Starter, with BM.
" " "	Domino Crate Fattener, with BM.
" " "	Marathon Chick Feed
" " "	Marathon Scratch Feed
P. Frederick Obrecht & Son, Balto., Md.	24% Dairy Ration
" " "	Hood 16½% Dairy Ration
" " "	Hood 16½% Dairy Ration
" " "	Hood 16½% Dairy Ration
" " "	Laying Mash, with DBM
" " "	Laying Mash, with DBM
" " "	Growing Mash, with DBM.
" " "	Growing Mash, with DBM
" " "	‡Dried Distillers Grains
" " "	Horse Feed
" " "	Pig and Hog Meal, with BM
" " "	Red Arrow White Middlings
" " "	Scratch Feed
Ogilvie Flour Mills Co., Ltd., Montreal, Can.	Oat Feed
Otterdale Roller Mill, Taneytown, Md.	‡Wheat Bran
" " "	‡White Middlings
" " "	‡Wheat Shorts
Owings Brothers, York, Pa.	16% Dairy Feed
" " "	*June Bug Laying Mash
" " "	June Bug Growing Mash, with BM
" " "	June Bug Pullet Feed
Park & Pollard Co., Buffalo, N. Y.	Milk-Maid 24% Sweetened Dairy Ration
" " "	Top Notch 16% Ration
" " "	Lay or Bust Dry-Mash
" " "	Growing Feed
" " "	Horse Feed
" " "	Stock Feed

* Means deficient in protein or fat.
‡ Not licensed at time of sale.

SAMPLED FROM	Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
Derwood.....	5.91	16.00	**16.15**	7.00	**9.55**	9.00	**4.81**	5.33	58.25	As declared on sack
Hurlock.....	8.70	18.00	**21.24**	4.00	**5.09**	7.50	**5.93**	12.59	46.45	As declared on sack
Hurlock.....	9.02	15.00	**17.64**	3.50	**4.16**	6.00	**4.63**	9.69	54.86	A. As decl'd on sack
Hurlock.....	7.96	15.00	**17.55**	3.00	**3.70**	5.00	**4.11**	8.87	57.81	A. " "
Silver Spring....	5.95	50.00	**50.46**	10.00	**12.23**	2.00	**1.59**	26.00	3.77	As declared on sack
Ellicott City....	7.71	32.00	**31.06**	4.50	**3.64**	10.00	**8.27**	11.30	38.02	As declared on sack
Ellicott City....	8.49	24.50	**24.49**	5.00	**3.74**	10.00	**7.74**	14.67	40.87	" "
Wash'ton Grove	8.59	20.00	**20.71**	4.00	**4.88**	11.00	**7.86**	9.48	48.48	" "
Ellicott City....	9.82	20.00	**19.83**	4.50	**4.95**	7.50	**5.51**	15.24	44.65	" "
Ellicott City....	9.05	20.00	**18.34**	4.50	**5.15**	7.50	**5.83**	15.71	45.92	" "
Berwyn.....	9.98	20.00	**20.36**	4.50	**5.80**	7.50	**6.45**	8.47	48.94	" "
Berwyn.....	9.79	18.00	**18.78**	4.50	**6.04**	6.00	**4.94**	12.85	47.60	" "
Sykesville.....	10.53	18.00	**18.52**	4.50	**5.95**	5.00	**4.56**	8.16	52.28	" "
Berwyn.....	8.27	15.00	**17.99**	4.50	**5.45**	6.50	**6.42**	7.16	54.71	" "
Wash'ton Grove	9.34	15.00	**17.64**	4.50	**5.13**	6.50	**6.39**	7.82	53.68	" "
Wash'ton Grove	11.12	9.00	**10.45**	3.00	**2.80**	10.00	**9.19**	4.25	62.19	" "
Ellicott City....	8.16	20.00	**21.24**	4.50	**5.49**	6.00	**3.98**	15.39	45.74	" "
Ellicott City....	8.27	15.00	**16.94**	4.50	**5.02**	6.00	**5.36**	9.16	55.25	" "
Ellicott City....	9.40	10.00	**10.18**	2.00	**3.35**	3.00	**1.79**	1.71	73.57	" "
Wash'ton Grove	11.17	9.00	**10.97**	2.00	**2.25**	5.00	**2.69**	1.34	71.58	" "
Baltimore.....	7.59	24.00	**24.39**	3.50	**5.26**	12.00	**9.59**	7.33	45.84	B.
Baltimore.....	12.61	16.50	**16.84**	3.00	**2.98**	12.00	**10.74**	10.18	46.65	C.
Medford.....	12.35	16.50	**16.64**	3.00	**3.47**	12.00	**12.24**	12.33	42.97	D.
Damascus.....	8.46	16.50	**18.05**	3.00	**3.58**	12.00	**12.09**	8.93	48.89	E.
Baltimore.....	8.12	20.00	**20.80**	4.00	**4.87**	8.00	**5.70**	7.93	52.58	F.
Baltimore.....	9.18	20.00	**20.71**	4.00	**4.73**	8.00	**6.44**	8.80	50.14	G.
Baltimore.....	8.48	18.00	**20.18**	3.50	**5.62**	8.00	**4.88**	7.77	53.07	As declared on sack
Baltimore.....	9.92	18.00	**20.62**	3.50	**4.97**	8.00	**4.83**	8.82	50.84	" "
Brunswick.....	6.20	20.00	**19.92**	7.00	**7.03**	19.00	**16.66**	2.77	47.42	" "
Baltimore.....	11.09	9.00	**10.41**	3.00	**3.15**	9.00	**10.19**	4.37	60.79	" "
Baltimore.....	8.76	15.00	**16.41**	4.50	**4.33**	8.00	**8.43**	4.65	61.42	" "
Baltimore.....	9.19	14.00	**15.45**	2.50	**2.61**	5.00	**4.34**	3.31	65.10	" "
Baltimore.....	11.07	9.00	**10.53**	2.00	**2.70**	4.00	**2.62**	1.27	71.81	H.
Middletown....	5.05	5.25	**5.53**	2.50	**2.40**	27.00	**29.00**	6.14	51.88	As declared on sack
Taneytown.....	10.02	16.00	**16.85**	3.50	**3.69**	9.50	**9.18**	5.93	54.33	As declared on sack
Taneytown.....	11.23	15.00	**15.09**	2.50	**2.90**	3.00	**2.22**	2.13	66.43	" "
Taneytown.....	10.94	17.00	**17.81**	3.50	**3.75**	8.50	**8.20**	5.61	53.69	" "
Manchester.....	10.41	16.00	**20.00**	3.00	**3.87**	12.00	**8.57**	9.05	48.10	I.
Manchester.....	8.06	20.00	**19.66**	5.00	**2.61**	9.00	**8.10**	11.62	49.95	A. As decl'd on sack
Baltimore.....	8.89	17.50	**19.83**	4.50	**5.72**	7.00	**4.64**	9.81	51.11	As declared on sack
Baltimore.....	10.91	10.00	**10.88**	4.00	**3.70**	3.00	**2.04**	1.86	70.61	" "
Frostburg.....	9.80	24.00	**25.71**	4.50	**5.08**	11.00	**8.45**	7.74	43.22	As declared on sack
Frostburg.....	9.66	16.00	**18.36**	3.50	**4.75**	12.00	**11.15**	9.04	47.04	" "
Berlin.....	9.23	18.00	**18.25**	3.00	**4.46**	7.00	**5.88**	9.10	53.08	" "
Berlin.....	8.48	14.00	**15.80**	3.00	**4.13**	7.00	**5.24**	10.28	56.07	" "
Frostburg.....	11.57	10.00	**11.15**	3.50	**4.75**	9.00	**7.61**	4.00	60.92	" "
Frostburg.....	11.20	8.50	**10.71**	4.00	**4.54**	12.00	**11.54**	5.61	56.40	" "

A—Ingredients on sack differ from license. B—Unable to detect soy-bean meal.
C—Unable to detect wheat middlings, corn feed and soy-bean meal; also detected whole weed seeds.
D—Unable to detect wheat bran, wheat middlings, cottonseed meal, gluten feed and soy-bean meal; also detected whole weed seeds.
E—Unable to detect wheat middlings, gluten feed, cottonseed meal and soy-bean meal; also detected whole weed seeds.
F—Unable to detect gluten feed; also detected cottonseed meal and peanut meal.
G—Unable to detect gluten feed; also detected cottonseed meal.
H—Unable to detect sunflower seed. I—Also detected dried brewers grains and screenings.

MANUFACTURER AND ADDRESS	NAME OF FEED
Park & Pollard Co., Buffalo N. Y. (Cont.)	Wheat Flour Mid., with Screen. N. Ex. M. R...
" " "	Intermediate Chick Feed.....
Pecos Valley Alfalfa Mill Co., Hagerman, N. M.	Alfalfa Meal.....
	‡Alfalfa Stem Meal.....
Penick & Ford, Ltd., Inc., Cedar Rapids, Ia.	Douglas Corn Gluten Feed.....
J. L. Pennock & Co., Excelsior Roller Mills, Avondale, Pa.	‡Pure Soft Winter Wheat Middlings.....
Piel Bros. Starch Co., Indianapolis, Ind.	Corn Gluten Feed.....
Pillsbury Flour Mills Co., Minneapolis, Minnesota.	Hard Wheat Bran and Screenings.....
Maurice Pincoffs Co., New Orleans, La.	"Pinco" Brand Wheat Bran, with Gr. Screen'gs.
Pittsburgh Melting Co., Pittsburgh, Pa.	Steel City Meat and Bone Scrap.....
Planters Nut & Choc. Co., Suffolk, Va.	"45" Peanut Meal.....
" " "	*"45" Peanut Meal.....
" " "	"41" Peanut Meal.....
Pratt Food Co., Hammond, Ind.	B P. Dairy Feed .....
" " "	‡Sweet B P. Dairy Feed.....
" " "	Sweet 16% Dairy Feed .....
" " "	Turkey Mash.....
" " "	Turkey Mash.....
" " "	Broiler Mash, with BM.....
" " "	Broiler Mash, with BM.....
" " "	‡Feeding Oatmeal.....
" " "	‡Oat Feed.....
" " "	Rabbit Feed, with BM.....
" " "	Rabbit Feed, with BM.....
" " "	Rabbit Feed, with BM.....
" " "	Pigeon Feed No Corn.....
Prichard Co., Inc., Frostburg, Md.	Star Scratch Feed.....
Quaker Oats Co., Chicago, Ill.	Ful-O-Pep Egg Mash.....
" " "	Ful-O-Pep Growing Mash.....
" " "	Ful-O-Pep Turkey Grower.....
" " "	Ful-O-Pep Station Grade Fattening Feed.....
" " "	Ful-O-Pep Chick Starter.....
" " "	Ful-O-Pep Chick Starter.....
" " "	Ful-O-Pep Coarse Chick Feed.....
" " "	Ful-O-Pep Coarse Chick Feed.....
" " "	Early Bird Coarse Chick Feed.....
" " "	Schumacher Little Chick Feed N. G.....
" " "	Early Bird Scratch Grains N. G.....
Quisenbury Feed Mfg. Co., Buffalo, N. Y.	Quality 24% Dairy Feed.....
" " "	Quality 20% Dairy Feed.....
" " "	Quality 16½% Dairy Feed.....

* Means deficient in protein or fat.
‡ Not licensed at time of sale.

SAMPLED FROM	Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
Frostburg	11.15	14.00	**17.99**	4.00	**4.66**	6.00	**4.72**	3.46	58.02	As declared on sack
Frostburg	11.01	10.00	**11.85**	3.00	**2.73**	3.50	**2.06**	1.62	70.73	" "
Baltimore	7.68	12.00	**15.36**	1.50	**1.90**	35.00	**28.32**	9.88	36.86	As declared on sack
Baltimore	7.43	10.00	**10.27**	.80	**1.07**	39.00	**36.18**	7.80	37.25	" "
Cambridge	10.75	23.00	**24.92**	2.00	**3.02**	8.50	**8.54**	8.22	44.55	As declared on sack
Pocomoke City	9.40	14.00	**15.18**	4.00	**4.09**	8.00	**3.84**	2.68	64.81	As declared on sack
Ellicott City	6.55	23.00	**23.43**	1.50	**1.76**	8.00	**7.27**	3.21	57.78	As declared on sack
Medford	9.41	14.00	**17.38**	4.00	**4.35**	12.00	**8.92**	7.30	52.64	As declared on sack
Brunswick	8.18	14.50	**17.11**	3.50	**3.48**	12.00	**10.53**	6.78	53.92	As declared on sack
Mt. Lake Park	6.00	50.00	**53.71**	5.00	**12.31**	3.00	**1.91**	25.93	.14	As declared on sack
Germantown	6.88	45.00	**44.93**	6.00	**8.82**	10.00	**4.92**	5.66	28.79	As declared on sack
Baltimore	6.98	45.00	**43.44**	6.00	**7.00**	10.00	**4.99**	6.00	31.59	" "
Cambridge	7.16	41.00	**42.65**	6.00	**8.50**	10.00	**5.23**	6.17	30.29	" "
Chestertown	10.48	21.00	**22.87**	4.00	**4.07**	11.00	**8.00**	7.74	46.84	As declared on sack
Chestertown	9.15	21.00	**23.33**	4.00	**4.80**	11.00	**9.12**	7.00	46.60	" "
Trego	12.95	16.00	**16.22**	3.00	**3.66**	12.00	**10.04**	6.21	50.92	" "
Baltimore	5.99	21.50	**23.25**	5.00	**4.77**	11.00	**9:03**	11.91	45.05	" "
St. Michaels	8.51	21.50	**23.69**	5.00	**5.38**	11.00	**11.24**	11.30	39.88	" "
Baltimore	7.80	16.50	**17.99**	4.50	**5.23**	6.00	**5.34**	9.44	54.20	" "
Trego	9.61	16.50	**17.72**	4.50	**4.34**	6.00	**5.28**	11.59	51.46	" "
Denton	9.09	15.00	**14.22**	3.00	**5.79**	3.75	**3.23**	2.52	65.15	" "
Baltimore	6.98	4.00	**4.83**	1.50	**1.92**	30.00	**28.50**	6.59	51.18	" "
Baltimore	8.09	12.00	**14.63**	2.75	**3.98**	12.00	**6.56**	7.24	59.50	" "
Baltimore	8.74	12.00	**16.08**	2.75	**3.34**	12.00	**10.82**	9.64	51.38	" "
Baltimore	10.08	12.00	**16.87**	2.75	**3.20**	12.00	**9.46**	9.45	50.94	" "
Trego	11.17	12.00	**15.36**	2.00	**2.25**	4.00	**3.91**	3.03	64.28	" "
Lonaconing	10.20	9.00	**13.95**	2.50	**3.09**	3.50	**3.22**	1.52	68.02	A.
Owings Mills	8.99	20.00	**21.18**	4.50	**5.79**	8.00	**6.69**	11.70	45.65	As declared on sack
Rockville	6.65	19.00	**21.06**	5.00	**6.09**	6.00	**4.58**	9.81	51.81	" "
Baltimore	8.11	19.00	**19.32**	5.00	**5.58**	6.00	**4.99**	8.60	53.40	" "
Baltimore	9.55	12.50	**12.99**	5.00	**4.89**	5.00	**4.17**	3.78	64.62	" "
Owings Mills	7.63	15.00	**18.52**	5.00	**6.39**	7.00	**6.45**	7.79	53.22	" "
Rockville	7.76	15.00	**19.22**	5.00	**6.12**	7.00	**5.86**	7.50	53.54	" "
Baltimore	11.53	10.00	**10.09**	2.00	**2.71**	2.50	**1.72**	1.20	72.75	" "
Owings Mills	10.80	10.00	**11.58**	2.00	**2.85**	2.50	**2.11**	1.78	70.88	" "
Rockville	8.22	9.50	**11.06**	2.00	**3.15**	3.50	**3.75**	1.57	72.25	" "
Rockville	11.17	10.00	**10.71**	2.00	**2.03**	2.00	**1.77**	1.43	72.89	" "
Grantsville	10.20	9.50	**12.11**	2.00	**2.69**	3.50	**1.53**	1.58	71.89	" "
Hagerstown	7.75	24.00	**25.41**	4.50	**4.53**	10.00	**9.84**	9.20	43.27	As declared on sack
Hagerstown	7.71	20.00	**20.01**	5.00	**4.54**	11.00	**13.14**	7.54	47.06	" "
Hagerstown	10.40	16.50	**16.01**	4.00	**4.04**	13.50	**12.79**	8.75	48.01	" "

A—Fibre guarantee on sack differs from license; unable to detect milo maize; also detected oats: detected .80% weed seeds.

MANUFACTURER AND ADDRESS	NAME OF FEED
Quisenbury Feed Manufacturing Co., Buffalo, N. Y. (Continued)	Quality Battery Broiler Mash
	Quality Hog Feed
Ralston Purina Co., St. Louis, Mo.	Cottonseed Meal
" " "	‡Cottonseed Meal
" " "	Purina 34% Cow Chow
" " "	Purina 24% Cow Chow
" " "	Purina 24% Cow Chow (Buffalo Mill)
" " "	Purina 20% Cow Chow
" " "	Purina Bulky Cow Chow
" " "	Purina Bulky Las Chow
" " "	Purina Bulky Las Chow
" " "	Protena Sweet Roughage Feed
" " "	Purina Egg Chowder, containing Mineral
" " "	Purina Lay Chow, containing Mineral
" " "	Purina Pig Chow
" " "	Purina All Mash Startena Chow, cont. Mineral
M. G. Rankin & Co., Milwaukee, Wis.	Durham Dried Brewers Grains
" " "	*Durham Dried Brewers Grains
" " "	‡Durham Dried Brewers Grains
Red Wing Milling Co., Red Wing, Minn.	Special Pure Wheat Bran
" " "	Special Standard Wheat Middlings
" " "	Special Red Dog
Reindollar Co. Taneytown, Md.	16% Sweet Dairy Feed
" " "	Growing Mash
" " "	Scratch Grains
Richards Milling Co., Cortland, Ohio.	*Pure Fancy Winter Wheat Middlings
Richardson Bros., Westminster, Md.	*Richbro 24% Dairy Ration
" " "	*Richbro 24% Da ry Ration
" " "	*Richbro Walck Laying Mash
	Richbro Growing Mash
Rinaman & Brown, Hampstead, Md.	Browns Egg Mash
Riverdale Products Co., Chicago, Ill.	‡Chapman's Red Top Meat and Bone Meal
Robin Hood Mills, Ltd., Moose Jaw, Can.	Black Hawk Reground Oat Feed
Ronck & Bevis Co., Philadelphia, Pa.	‡Tomato Seeds Pulp and Skins for Feeding
F. S. Royster Guano Co., Balto., Md.	Fish Meal
Russell-Miller Milling Company, Minneapolis, Minn.	Hard Wheat Occident Mixed Feed
" " "	Hard Wheat Occident Flour Middlings
" " "	Alta Hard Wheat Middlings
	Hard Wheat Occident Standard Middlings
Wm. Schluderberg-T. J. Kurdle Co., Baltimore, Md.	Esskay Soluble Blood
" " "	Esskay Quality Meat Scrap
	Esskay Quality Meat Scrap and Bone

* Means deficient in protein or fat.
‡ Not licensed at time of sale.

SAMPLED FROM	Moisture	PROTEIN Guaranteed	PROTEIN FOUND	FAT Guaranteed	FAT FOUND	FIBRE Guaranteed	FIBRE FOUND	Ash	Nitrogen Free Extract	INGREDIENTS
Hagerstown	7.75	16.00	**18.16**	4.00	**4.08**	7.00	**7.32**	11.02	51.67	As declared on sack
Hagerstown	10.25	14.00	**16.85**	4.00	**4.37**	7.00	**4.70**	6.99	56.84	" "
Gaithersburg	6.41	41.00	**40.98**	6.50	**6.78**	11.00	**10.75**	6.83	28.25	As declared on sack
Mt. Lake Park	9.06	41.00	**41.16**	6.50	**6.08**	11.00	**10.90**	6.70	26.10	" "
Centreville	8.99	34.00	**36.44**	3.00	**3.75**	12.00	**9.97**	6.18	34.67	" "
Hyattsville	9.88	24.00	**25.24**	3.00	**4.48**	12.00	**9.89**	6.65	43.86	" "
Ellicott City	10.50	24.00	**25.80**	3.00	**4.58**	12.00	**10.64**	7.72	40.76	" "
Hyattsville	9.50	20.00	**20.24**	3.00	**3.93**	12.00	**11.07**	7.49	47.77	" "
Ellicott City	10.65	16.00	**19.46**	3.00	**3.83**	12.00	**9.82**	8.55	47.69	" "
Ellicott City	12.35	9.00	**10.63**	1.30	**1.75**	15.00	**13.51**	8.58	53.18	" "
Westminster	12.33	9.00	**9.81**	1.30	**1.60**	15.00	**15.36**	8.18	52.72	" "
Hyattsville	9.50	6.00	**6.62**	1.00	**.96**	30.00	**25.04**	7.80	50.08	" "
Taneytown	9.38	19.00	**21.50**	3.50	**5.64**	8.00	**7.49**	11.21	44.78	" "
Hancock	11.22	17.00	**18.44**	2.50	**4.01**	8.00	**6.31**	9.10	50.92	" "
Taneytown	9.69	25.00	**27.90**	3.20	**4.22**	8.00	**7.12**	11.51	39.56	" "
Ellicott City	9.15	18.00	**19.54**	4.00	**5.20**	7.00	**4.92**	7.81	53.38	" "
Westminster	8.27	20.00	**22.82**	5.00	**5.92**	17.00	**17.40**	4.24	41.35	As declared on sack
Wash'ton Grove	6.40	20.00	**21.15**	5.00	**4.15**	17.00	**18.50**	4.60	45.20	" "
Westminster	7.94	20.00	**20.97**	5.00	**6.03**	17.00	**19.05**	4.57	41.44	" "
Grantsville	10.70	14.00	**17.20**	4.00	**5.67**	12.50	**9.93**	5.47	51.03	As declared on sack
Ellicott City	10.90	15.00	**18.16**	5.10	**6.12**	9.50	**7.28**	5.39	52.15	" "
Grantsville	10.50	14.50	**18.95**	3.00	**3.46**	4.00	**2.23**	1.91	62.95	" "
Taneytown	9.84	16.00	**17.14**	3.00	**2.73**	11.00	**12.36**	5.84	52.19	As declared on sack
Taneytown	9.78	17.00	**18.52**	4.50	**4.53**	6.00	**4.25**	7.94	54.98	" "
Taneytown	11.45	9.00	**10.71**	2.00	**2.88**	5.00	**2.28**	1.70	70.98	" "
Cumberland	10.80	15.00	**15.97**	3.00	**2.08**	10.00	**1.02**	1.96	68.17	As declared on sack
Westminster	9.36	24.00	**25.80**	5.25	**3.96**	9.50	**8.99**	7.84	44.05	As declared on sack
Westminster	7.08	24.00	**26.76**	5.25	**3.70**	9.50	**7.98**	7.36	47.12	" "
Westminster	9.41	20.00	**21.94**	5.00	**4.35**	9.00	**6.85**	9.24	48.21	" "
Westminster	9.46	16.00	**17.81**	4.50	**4.27**	4.50	**4.24**	8.64	55.58	A. As decl'd on sack
Hampstead	8.81	20.00	**20.27**	4.50	**4.61**	8.00	**7.77**	7.85	50.69	As declared on sack
Oakland	7.40	50.00	**50.37**	8.00	**10.30**	3.00	**2.25**	24.43	5.25	As declared on sack
Gaithersburg	7.09	5.50	**7.20**	2.50	**2.82**	27.00	**22.37**	4.86	55.66	As declared on sack
Cambridge	9.31	20.00	**21.94**	10.50	**12.13**	36.00	**34.32**	3.10	19.20	As declared on sack
Lineboro	9.28	58.00	**61.08**	4.00	**5.32**	2.00	**1.26**	18.88	4.18	As declared on sack
Friendsville	7.40	15.00	**18.60**	4.50	**5.87**	9.50	**8.24**	5.74	54.15	As declared on sack
Friendsville	10.61	15.50	**20.53**	4.50	**5.84**	5.00	**3.02**	3.98	56.02	" "
Friendsville	7.25	15.00	**19.39**	4.50	**5.63**	8.50	**6.13**	4.30	57.30	" "
Glyndon	7.50	15.00	**17.11**	4.00	**5.53**	9.50	**10.95**	4.98	53.93	" "
Baltimore	5.45	83.00	**86.70**	.50	**.91**	5.00	**.57**	3.82	2.55	As declared on sack
Alesia	6.52	55.00	**55.74**	6.00	**9.28**	5.00	**3.01**	23.18	2.27	" "
Chestertown	6.56	50.00	**51.42**	6.00	**11.84**	5.00	**2.81**	25.90	1.47	" "

A—Ingredients on sack differ from license.

MANUFACTURER AND ADDRESS	NAME OF FEED
Wm. Schluderberg-T. J. Kurdle Company, Baltimore, Md. (Continued)	Esskay Quality Meat Scrap
" " "	Esskay Quality Meat Scrap
" " "	*Esskay Quality Digester Tankage
	*Esskay Quality Digester Tankage
Schultz, Baujan & Co., Beardstown, Ill.	‡*Honest 16% Dairy Feed
" " "	‡Critic Egg Mash
" " "	‡Sunbeam Wheat Bran
" " "	‡Premier Middlings
Seaboard Products, Inc., Baltimore, Md.	Meat Meal
" " "	55% Meat Scrap
" " "	*55% Meat Scrap
" " "	55% Meat Scrap
" " "	50% Meat and Bone Scrap
" " "	50% Meat and Bone Scrap
" " "	50% Meat and Bone Scrap
" " "	50% Meat and Bone Scrap
" " "	45% Meat and Bone Scrap
" " "	45% Meat and Bone Scrap
" " "	45% Meat and Bone Scrap
" " "	Terrapin Brand Fish Meal
" " "	Terrapin Brand Fish Meal
" " "	Terrapin Brand Fish Meal
" " "	*60% Digester Tankage
" " "	Argentine Standard Wheat Middlings
" " "	Argentine Flour Middlings
Sherwin Williams Co., Cleveland, Ohio.	Linseed Meal
Chas. R. Shoemaker, Inc. Phila., Pa.	Belgrade Brand 50% Beef and Bone Scrap
" " "	Belgrade Brand 50% Beef and Bone Scrap
M. L. Shoemaker & Co., Inc., Phila., Pa.	"Swift Sure" Ground Beef Scrap
W. G. Slugg, Milwaukee, Wis.	Pure Dried Buttermilk Feed
" " "	*Pure Dried Buttermilk Feed
" " "	Pure Dried Buttermilk Feed
D. E. Smith, Cecilton, Md.	‡Turkey Mash
E. Wade Smith, Smithsburg, Md.	‡Lay Mash
Spencer Kellogg & Sons, Inc., Buffalo, N. Y.	37% Protein Pure Old Process Linseed Meal
	37% Protein Pure Old Process Linseed Meal
A. E. Staley Mfg. Co., Decatur, Ill.	Soybean Oil Meal
Star & Crescent Milling Company, Minneapolis, Minn.	Wheat Middlings, with Ground Wheat Screen. N. Ex. M. R.
" " "	Wheat Middlings, with Ground Wheat Screen. N. Ex. M. R.
" " "	‡Wheat Middlings, with Ground Wheat Screen. N. Ex. M. R.

* Means deficient in protein or fat.
‡ Not licensed at time of sale.

SAMPLED FROM	Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
Thurmont.....	6.89	50.00	**50.20**	6.00	**10.69**	5.00	**2.49**	29.10	.63	A.
Taneytown.....	6.83	45.00	**47.65**	6.00	**10.61**	5.00	**1.97**	32.87	.07	A.
Sykesville.....	7.63	60.00	**61.78**	8.00	**7.10**	5.00	**1.77**	21.61	.11	As declared on sack
Chewsville.....	9.58	60.00	**60.38**	8.00	**6.85**	5.00	**1.74**	21.10	.35	B.
Cumberland.....	11.02	16.00	**17.81**	4.00	**3.10**	13.00	**8.92**	11.10	48.05	C. As decl'd on sack
Cumberland....	8.85	20.00	**20.36**	4.00	**4.82**	7.00	**6.82**	9.28	49.87	As declared on sack
Cumberland....	9.34	15.00	**17.72**	3.50	**4.98**	10.00	**10.14**	7.33	50.49	D. As decl'd on sack
Cumberland....	10.81	16.50	**15.89**	4.00	**3.73**	7.00	**6.16**	4.90	58.51	As declared on sack
Salisbury.....	7.70	75.00	**77.49**	8.00	**9.88**	1.00	**1.57**	9.21	.....	As declared on sack
Cambridge.....	6.18	55.00	**55.64**	6.00	**10.37**	3.00	**2.12**	24.67	1.02	" "
Baltimore.....	6.15	55.00	**53.09**	6.00	**9.69**	3.00	**2.52**	27.07	1.48	" "
Cambridge.....	6.11	55.00	**54.76**	6.00	**10.31**	3.00	**2.41**	25.03	1.38	" "
Centreville.....	5.98	50.00	**50.28**	6.00	**7.24**	3.00	**2.70**	29.80	4.00	" "
Chestertown....	5.85	50.00	**52.51**	6.00	**10.64**	3.00	**2.70**	27.45	.85	" "
Owings Mills ...	6.79	50.00	**50.02**	6.00	**8.04**	3.00	**2.58**	31.39	1.18	" "
Baltimore.....	6.30	50.00	**50.81**	6.00	**13.29**	3.00	**2.40**	26.70	.50	" "
Cambridge.....	6.38	45.00	**49.84**	6.00	**10.70**	3.00	**1.84**	29.66	1.58	" "
Cambridge.....	6.45	45.00	**51.16**	6.00	**12.04**	3.00	**2.12**	26.70	1.53	" "
Baltimore.....	6.01	45.00	**45.63**	6.00	**15.09**	3.00	**1.68**	29.11	2.48	As declared on sack
Cambridge.....	9.03	55.00	**59.67**	6.00	**8.90**	2.00	**.40**	21.38	.62	" "
Centreville.....	7.40	55.00	**61.34**	6.00	**6.94**	2.00	**.77**	21.23	2.32	" "
Owings Mills ...	9.42	55.00	**59.41**	6.00	**10.37**	2.00	**.80**	19.99	.01	" "
Baltimore.....	5.64	60.00	**55.40**	5.00	**10.61**	4.00	**2.19**	22.39	3.77	" "
Baltimore.....	9.53	15.00	**17.64**	4.00	**4.41**	9.50	**7.63**	5.58	55.21	" "
Baltimore.....	9.40	16.00	**18.95**	4.00	**5.06**	6.00	**4.27**	3.27	59.05	" "
Detour.....	9.05	34.00	**38.61**	5.00	**5.98**	10.00	**7.08**	5.59	33.69	As declared on sack
Pocomoke City .	5.70	50.00	**52.83**	10.00	**11.13**	2.00	**1.99**	26.90	1.45	As declared on sack
Berlin.....	7.03	50.00	**50.63**	10.00	**12.35**	2.00	**1.89**	26.60	1.50	" "
Pocomoke City .	5.36	55.00	**58.53**	6.00	**9.51**	3.00	**2.48**	24.04	.08	As declared on sack
Salisbury.....	7.00	30.00	**31.77**	6.00	x**6.84**	.....	.....	10.95	.....	As declared on sack
Keymar.....	6.73	30.00	**34.22**	6.00	x**1.89**	.....	.....	7.90	.....	" "
Cambridge.....	7.27	30.00	**29.66**	6.00	x**7.33**	.....	.....	11.37	.....	" "
Cecilton.....	8.53	23.00	**23.56**	5.00	**5.95**	10.50	**10.32**	11.24	40.40	As declared on sack
Smithsburg.....	10.25	17.50	**17.64**	4.00	**4.67**	7.00	**5.47**	12.02	49.95	As decla ed on sack
Taneytown.....	8.92	37.00	**39.66**	5.00	**5.20**	10.00	**7.04**	5.57	33.61	As declared on sack
Gaithersburg ...	9.13	37.00	**39.40**	5.00	**5.25**	10.00	**7.07**	5.46	33.69	" "
Baltimore.....	8.79	40.00	**42.12**	4.50	**5.36**	7.00	**5.42**	5.62	32.69	As declared on sack
Annapolis.....	10.17	15.00	**16.67**	4.00	**4.50**	9.50	**7.19**	6.10	55.37	As declared on sack
Mardela Springs	10.52	15.00	**16.23**	4.00	**4.39**	9.50	**6.42**	5.06	57.38	" "
Sykesville.....	8.53	15.00	**16.32**	4.00	**4.38**	9.50	**6.24**	4.80	59.73	" "

A—Should be designated as meat and bone scrap.
B—Also detected vegetable fibrous material.
C—Ingredients on sack differ from license.
D—Protein guarantee on sack differs from license.
x Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND ADDRESS	NAME OF FEED
Star Food & Remedy Co., Wash'ton, D. C.	Golden Glow Dairy Ration
" " "	Laying Mash, with Milk
" " "	Laying Mash, with Milk
" " "	*Laying Mash, with Milk
" " "	Laying Mash, w th Milk
" " "	Laying Mash, with Milk
" " "	Growing Mash, with BM.
" " "	Growing Mash, with BM.
" " "	Growing Mash, with BM.
" " "	Pig Meal
" " "	Chick-A
" " "	*Chick Scratch
St. Michaels Milling Company, St. Michaels, Md.	Pure Wheat Bran
	†Wheat Flour Middlings
E. Steen & Bro., Baltimore, Md.	Lady Maryland Dairy Feed
" " "	Milk Producer Dairy Feed
" " "	Little Boy Blue Dairy Feed
" " "	Sugar Boy "16" Dairy Feed
" " "	Golden Goose Laying Mash, with BM.
" " "	Blue Bird Laying Mash
" " "	Golden Goose Fancy Growing Mash, with BM.
" " "	Golden Goose Fattener
" " "	Arundel Hog Grower
D. A. Stickell & Sons, Inc., Hagerstown, Maryland.	Milk Ration
" " "	Sweet 24% Milk Maker
" " "	Blue Ridge Sweet 20% Milk Maker
" " "	Snap Sweet 20% Dairy Feed
" " "	Zip Sweet 16% Dairy Feed
" " "	Victor Horse and Mule Feed
" " "	*Stock Feed
" " "	*Blue Ridge Chick Feed
" " "	*Victor Chick Feed
" " "	Su-Pur Pigeon Feed
Chas. M. Struven & Co., Baltimore, Md.	Fish Meal
Swift & Company, Chicago, Ill.	Fifty-Five Meat Scraps
" " "	Meat and Bone Scraps
" " "	Meat and Bone Scraps
" " "	*Meat and Bone Scraps
" " "	Laymore Meat and Bone Scraps
" " "	Digester Tankage
" " "	Digester Tankage
" " "	Dried Buttermilk
Thomas & Company, Frederick, Md.	Victory Dairy Feed
" " "	Victory Dairy Feed
" " "	Dairy Feed
" " "	Dairy Feed
Thurmont Milling & Supply Corp., Thurmont, Md.	Pure Wheat Bran
	*Pure Wheat Middlings

* Means deficient in protein or fat.
† Means deficient in both protein and fat.

SAMPLED FROM	Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
Beltsville	9.23	20.00	**19.92**	3.00	**3.82**	12.00	**7.80**	5.15	54.08	A.
Bethesda	10.75	20.00	**20.36**	4.50	**5.85**	7.00	**5.90**	7.67	49.47	As declared on sack
Beltsville	9.49	20.00	**19.39**	4.50	**5.36**	7.00	**6.08**	6.20	53.48	As declared on sack
Rockville	9.85	20.00	**17.81**	4.50	**5.43**	7.00	**5.47**	6.00	55.44	" "
Bethesda	9.43	20.00	**19.57**	4.50	**5.26**	7.00	**5.97**	6.98	52.79	" "
Kensington	9.69	20.00	**20.45**	4.50	**6.08**	7.00	**6.72**	7.50	49.56	" "
Kensington	10.08	16.00	**17.02**	4.00	**5.83**	7.00	**4.71**	5.70	56.66	B.
Bethesda	10.70	16.00	**17.72**	4.00	**6.38**	7.00	**4.97**	6.07	54.16	As declared on sack
Beltsville	9.41	16.00	**17.46**	4.00	**5.97**	7.00	**5.51**	6.67	54.98	C.
Beltsville	8.82	16.00	**17.74**	4.00	**4.80**	7.00	**5.61**	6.81	56.22	D.
Bethesda	9.17	15.00	**18.43**	4.00	**5.57**	5.00	**3.03**	5.44	58.36	As declared on sack
Kensington	10.45	10.00	**10.97**	4.00	**3.10**	4.00	**1.56**	1.58	72.34	" "
St. Michaels	10.40	14.00	**13.95**	4.00	**3.73**	11.00	**9.67**	5.46	56.79	As declared on sack
St. Michaels	10.50	14.00	**12.64**	4.00	**3.35**	6.00	**4.00**	3.36	66.15	" "
Baltimore	7.40	24.00	**25.45**	5.00	**4.75**	9.00	**6.53**	8.62	47.25	E. As decl'd on sack
Baltimore	7.56	20.00	**20.88**	3.50	**4.46**	12.00	**11.23**	7.62	48.25	F.
Baltimore	10.09	16.00	**17.57**	3.50	**3.63**	13.00	**10.16**	7.23	51.32	As declared on sack
Baltimore	11.87	16.00	**17.68**	3.00	**3.21**	13.00	**8.51**	7.79	50.94	" "
Baltimore	8.23	20.00	**21.94**	4.00	**5.36**	9.00	**5.42**	9.80	49.25	" "
Baltimore	8.18	18.00	**22.20**	4.00	**4.78**	10.00	**7.27**	8.40	49.17	G.
Baltimore	8.18	18.00	**19.39**	4.00	**5.91**	8.50	**7.03**	10.15	49.34	As declared on sack
Baltimore	8.96	13.00	**16.15**	4.50	**5.23**	6.00	**4.68**	4.58	60.40	" "
Baltimore	8.30	16.50	**20.27**	4.50	**4.59**	7.00	**8.13**	7.90	50.81	" "
Hagerstown	8.29	25.00	**28.08**	4.50	**4.58**	10.00	**9.21**	8.56	41.28	As declared on sack
Hagerstown	8.23	24.00	**25.49**	4.00	**4.87**	10.00	**9.41**	7.08	44.92	" "
Annapolis	8.50	20.00	**22.77**	5.00	**6.51**	12.00	**8.86**	10.14	43.22	H. As decl'd on sack
Annapolis	7.99	20.00	**22.57**	3.00	**5.62**	12.00	**11.55**	10.00	42.27	As declared on sack
Hagerstown	8.54	16.00	**19.18**	3.00	**4.68**	12.00	**13.03**	6.98	47.59	" "
Hagerstown	10.73	6.00	**7.34**	2.00	**1.67**	12.00	**15.22**	5.26	59.78	" "
Hagerstown	9.31	9.00	**8.42**	3.50	**2.36**	12.00	**10.90**	7.70	61.31	" "
Hagerstown	11.70	10.00	**10.97**	2.50	**1.66**	5.00	**1.06**	1.33	73.28	" "
Hagerstown	11.85	10.00	**10.71**	2.50	**1.96**	5.00	**1.11**	1.60	72.77	" "
Hagerstown	9.90	10.00	**16.67**	3.00	**3.92**	3.00	**4.43**	3.04	62.04	" "
St. Michaels	6.22	55.00	**56.51**	4.00	**11.21**	2.00	**.67**	21.59	3.80	As declared on sack
Hagerstown	6.31	55.00	**58.45**	6.00	**12.24**	3.00	**2.77**	20.10	.13	As declared on sack
Mt. Airy	6.31	50.00	**50.20**	6.00	**12.16**	3.00	**2.44**	28.81	.08	" "
Germantown	5.83	50.00	**49.41**	6.00	**12.68**	3.00	**2.35**	28.97	1.90	" "
Mt. Airy	7.08	50.00	**51.86**	6.00	**4.90**	3.00	**2.22**	27.97	5.97	" "
Hagerstown	6.15	45.00	**49.41**	6.00	**10.85**	3.00	**2.37**	30.38	3.17	" "
Mt. Airy	9.14	60.00	**67.92**	5.00	**8.71**	3.00	**1.28**	12.50	.45	" "
Hagerstown	6.39	60.00	**60.99**	5.00	**12.51**	3.00	**1.25**	15.78	3.08	" "
Hagerstown	7.28	30.00	**31.77**	5.50	x**6.50**	.....	.....	10.60	.....	" "
Gaithersburg	9.43	24.00	**25.19**	4.00	**3.89**	11.00	**8.80**	6.34	46.35	As declared on sack
Gaithersburg	10.23	24.00	**24.35**	4.00	**4.61**	11.00	**8.15**	7.60	56.06	" "
Gaithersburg	9.38	16.50	**17.41**	3.00	**4.54**	11.00	**9.68**	8.16	50.83	" "
Gaithersburg	10.36	16.50	**18.64**	3.00	**5.01**	11.00	**8.92**	9.50	47.57	" "
Thurmont	9.07	14.00	**14.30**	4.00	**4.25**	12.00	**8.99**	6.48	56.91	As declared on sack
Thurmont	11.14	15.00	**14.65**	4.50	**3.40**	6.00	**4.10**	3.86	62.85	" "

A—Ingredients on sack differ from license; also detected ground corn by-product.
B—Also detected wheat bran. C—Also detected cocoa-shell meal and wheat bran.
D—Also detected corn gluten feed.
E—Fat and fibre guarantee and ingredients on sack differ from license.
F—Ingredients on sack differ from license.
G—Also detected ground wheat. H—Fat and fibre guarantee on sack differ from license.
x Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND ADDRESS	NAME OF FEED
Traders Feed & Grain Company, New York, N. Y.	Bonny Hard Wheat Bran and Screenings N. Ex. M. R.
Jacob Trinley & Sons, Linfield, Pa.	Real Fattening Mash
" " "	Real Fattening Mash
" " "	‡Real Hog Feed
" " "	‡Real Intermediate Chick Feed
Ubiko Milling Co., Cincinnati, Ohio.	‡Union Grains 32% Sweet Dairy Ration
" " "	Sunbeam Dairy Ration
" " "	Clover Bloom Sweet 16% Feed
" " "	All-Mash Starter
" " "	‡Chick Feed
Union Starch & Refining Co., Columbus, Ohio—Union Sales Corp., Distributor.	Union Corn Gluten Feed
Unique Milling Co., Friendsville, Md.	Pure Corn Meal
Van Iderstine Co., Long Island City, N. Y.	Vico Quality Meat Scraps for Poultry
" " "	Vico Quality Meat Scraps for Poultry
" " "	Vico Quality Meat Scraps for Poultry
" " "	Vico Quality Meat Scraps for Poultry
" " "	Vico Pure Meat and Bone Scraps for Poultry
" " "	Vico Pure Meat and Bone Scraps for Poultry
" " "	*Vico Digester Tankage for Hogs
Van Vechten Mill. Co., Inc., Rochester, N. Y.	Irving Mills Rye Feed
	Irving Mills Rye Feed
Vitality Mills, Inc., Chicago, Ill.	20% Dairy Feed, with Molasses
" " "	‡Circle Bee Dairy Feed
" " "	New Advance Egg Mash
" " "	‡C-Er-Pay Laying Feed
" " "	C-Er-Pay Laying Feed
" " "	Circle Bee Grower
" " "	‡Circle Bee Grower
" " "	‡Growing Mash
" " "	‡*True Value Growing Mash, with BM
" " "	‡Calf Meal
" " "	‡Record Maker Horse Feed
" " "	‡Stock Feed
" " "	‡True Value Baby Chick Grains
" " "	Chick Starter, with DBM. and Cod Liver Oil
" " "	Advance Chick Scratch
" " "	‡Sunflower Coarse Chick
" " "	Advance Scratch Feed
" " "	Scratch Feed
Ward Dry Milk Co., St. Paul, Minn.	Dried Buttermilk Animal Feed
" " "	‡Pure Dried Skim Milk
C. B. Watkins & Co., Baltimore, Md.	Foxhall Laying Mash
" " "	Foxhall Hog Feed

* Means deficient in protein or fat.
‡ Not licensed at time of sale.

SAMPLED FROM	Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
Cambridge.....	8.11	14.00	**15.80**	4.00	**4.76**	12.00	**11.01**	5.66	54.66	As declared on sack
Baltimore.....	10.01	14.00	**17.20**	4.50	**5.23**	6.00	**4.12**	3.98	59.46	As declared on sack
Baltimore.....	9.42	14.00	**15.45**	4.50	**5.57**	6.00	**4.04**	4.61	60.91	" "
Baltimore.....	10.34	17.00	**20.46**	4.00	**4.29**	9.00	**9.13**	9.74	46.04	" "
Baltimore.....	10.53	10.00	**11.76**	3.00	**4.02**	4.00	**2.61**	1.60	69.48	" "
Mt. Airy.....	9.60	32.00	**31.91**	4.00	**4.45**	10.00	**8.55**	9.40	36.09	As declared on sack
Mt. Airy.....	9.22	24.00	**25.73**	4.00	**4.10**	12.00	**10.79**	10.70	39.46	" "
Mt. Airy.....	10.29	16.00	**16.21**	3.00	**3.47**	15.00	**11.86**	13.78	44.39	A.
Mt. Airy.....	9.54	18.00	**18.87**	4.00	**4.98**	5.00	**4.17**	8.60	53.84	As declared on sack
Mt. Airy.....	10.40	9.00	**11.85**	2.50	**3.30**	5.00	**1.22**	1.43	71.80	" "
Westminster....	11.20	23.00	**30.27**	1.00	**1.70**	8.00	**6.62**	6.00	44.21	As declared on sack
Friendsville.....	11.17	9.13	**9.65**	3.96	**4.00**	2.10	**2.05**	1.39	71.73	As declared on sack
Easton.....	6.23	50.00	**51.78**	5.00	**10.17**	3.00	**3.35**	25.25	3.22	As declared on sack
Keymar.....	6.80	50.00	**55.97**	5.00	**9.37**	3.00	**3.62**	24.15	.09	" "
Frederick.....	9.27	50.00	**49.58**	5.00	**10.38**	3.00	**3.55**	27.10	.12	" "
Germantown....	6.09	50.00	**51.78**	5.00	**10.39**	3.00	**3.55**	24.98	3.21	" "
Westminster....	6.04	45.00	**47.83**	5.00	**11.37**	3.00	**3.42**	25.64	5.70	" "
Taneytown.....	6.44	45.00	**49.32**	5.00	**10.19**	3.00	**3.69**	25.68	4.68	" "
Pocomoke City .	6.20	60.00	**57.65**	1.00	**11.23**	3.50	**.99**	17.86	6.07	" "
Frederick.....	9.04	13.00	**15.88**	2.00	**3.10**	10.00	**4.05**	3.64	64.29	As declared on sack
Cooksville.....	8.35	13.00	**17.02**	2.00	**3.14**	10.00	**4.13**	3.67	63.69	" "
Cumberland....	9.00	20.00	**20.42**	3.50	**3.88**	12.00	**11.42**	11.70	43.58	As declared on sack
Hancock.....	8.46	24.00	**25.22**	4.00	**4.40**	11.00	**9.95**	7.67	44.30	" "
Cumberland....	9.31	20.00	**19.39**	4.00	**4.28**	7.50	**6.77**	8.66	51.59	" "
Hancock.....	10.18	17.00	**17.29**	3.50	**5.06**	8.00	**6.08**	9.97	51.42	B. As decl'd on sack
Hancock.....	10.61	17.00	**16.30**	3.50	**4.17**	8.00	**6.24**	8.61	54.07	B. " "
Hancock.....	10.92	15.00	**15.45**	4.00	**4.61**	7.00	**5.21**	8.17	55.64	As declared on sack
Hancock.....	11.63	15.00	**17.02**	4.00	**4.68**	7.00	**4.66**	9.16	52.85	" "
Cumberland....	9.02	18.00	**17.99**	4.00	**5.26**	6.00	**6.72**	7.94	53.07	" "
Cumberland....	9.89	15.25	**15.18**	4.00	**4.17**	5.75	**5.14**	8.84	56.78	" "
Cumberland....	7.63	18.00	**17.95**	5.00	**4.11**	5.00	**5.54**	10.09	54.68	" "
Cumberland....	11.42	8.50	**10.23**	2.00	**3.35**	12.00	**10.57**	8.89	55.54	" "
Cumberland....	10.01	9.00	**10.44**	3.00	**3.60**	12.00	**11.32**	6.84	57.79	" "
Cumberland....	11.56	10.00	**13.43**	3.00	**2.62**	5.00	**2.22**	1.62	68.55	" "
Cumberland....	10.34	16.00	**15.18**	4.00	**4.75**	5.00	**5.79**	8.42	55.52	" "
Cumberland....	11.25	10.00	**10.00**	2.00	**3.06**	5.00	**1.57**	1.46	72.66	" "
Hancock.....	10.40	10.00	**10.53**	2.00	**3.25**	5.00	**1.72**	1.69	72.41	" "
Cumberland....	11.01	10.00	**11.41**	2.00	**2.63**	6.00	**2.87**	1.53	70.55	" "
Cumberland....	11.20	10.00	**11.85**	2.50	**3.29**	6.00	**2.34**	1.67	69.65	C. As decl'd on sack
Hagerstown....	7.13	30.00	**32.12**	3.00	**x5.51**	.....	.....	9.71	.....	As declared on sack
Cumberland....	8.95	32.00	**32.21**	1.00	**x.62**	.....	.....	8.54	.....	" "
Baltimore.....	7.85	20.13	**23.25**	4.85	**4.75**	8.25	**8.72**	9.66	45.77	As declared on sack
Baltimore.....	7.05	15.25	**19.57**	2.98	**4.79**	7.33	**8.99**	8.75	50.85	" "

A—Also detected dried brewers grains.
B—Ingredients on sack differ from license.
C—Fibre guarantee and ingredients on sack differ from license.
x Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND ADDRESS	NAME OF FEED
C. B. Watkins & Co., Balto., Md. (Cont.)	Peerless Chick Mash
" " "	*Peerless Scratch Grains
R. C. Wells & Co., Baltimore, Md.	‡Victor Chick Feed
West. Can. Flour Mills, Ltd., Calgary, Can.	‡Pioneer Pure Wheat Bran
Wheeler Supply Co., Glyndon, Md.	Special Laying Mash
" " "	Glyco Growing Mash
M. Floyd Wiley, Detour, Md.	Bran
" " "	Middlings
Wilkins-Rogers Milling Company, Inc., Washington, D. C.	Wilroco Cottonseed Meal
" " "	Grassy Mead 26% Dairy Feed
" " "	Grassy Mead 26% Dairy Feed
" " "	Washington Egg Mash
" " "	Md. University 1928 Contest Egg Mash Form'a
" " "	Washington Growing Mash
" " "	Red Raven 85% Horse Feed
" " "	‡Washington Baby Chick Mash
Allied Mills, Inc., Chicago, Ill.	Wayne Dog Ration
" " "	Wayne Dog Ration
" " "	Wayne Dog Biscuit
" " "	Wayne Kibbled Biscuit
Chapin & Company, Hammond, Ind.	Dog Cookies
" " "	‡Toasted Dog Cookies
Chappel Bros., Inc., Rockford, Ill.	‡Ken-L-Meal
" " "	‡Ken-L-Biskit
Dietrich & Gambrill, Inc., Frederick, Md.	Dog Food
John W. Eshelman & Sons, Lancaster, Pa.	‡Red Rose Dog Biscuit
Peerless Dog Food Co., Battle Creek, Mich.	‡Dog Food
G. P. Rose & Co., Nashville, Tenn.	Dog and Puppy Feed

‡ Not licensed at time of sale.
* Means deficient in protein or fat.

MANUFACTURER AND ADDRESS	NAME OF FEED
East Coast Trading Company, Baltimore, Md.	Oberco Mineral Mixture
	Oberco Soluble Minerals

SAMPLED FROM	Moisture	PROTEIN Guaranteed	PROTEIN FOUND	FAT Guaranteed	FAT FOUND	FIBRE Guaranteed	FIBRE FOUND	Ash	Nitrogen Free Extract	INGREDIENTS
Baltimore	7.85	13.50	**14.92**	3.75	**4.09**	8.25	**8.85**	8.97	55.32	As declared on sack
Baltimore	9.21	10.00	**10.35**	3.00	**2.28**	5.00	**2.97**	1.70	73.49	A. As decl'd on sack
Baltimore	10.36	10.00	**12.81**	2.50	**6.03**	5.00	**2.19**	2.34	66.27	B.
Frederick	9.30	15.00	**17.11**	3.50	**5.78**	11.50	**10.59**	4.60	52.62	As declared on sack
Glyndon	8.27	20.00	**23.17**	4.50	**5.11**	7.00	**9.17**	8.50	45.78	As declared on sack
Glyndon	8.22	16.00	**16.76**	3.50	**5.39**	7.50	**7.04**	5.49	57.10	C.
Detour	10.80	15.00	**14.48**	3.00	**2.53**	9.00	**9.27**	6.24	56.68	As declared on sack
Detour	11.40	14.00	**13.95**	3.00	**3.36**	5.00	**2.93**	2.79	65.57	" "
Brunswick	6.30	41.00	**41.86**	6.00	**6.04**	10.00	**11.84**	6.31	27.65	As declared on sack
Gaithersburg	8.49	26.00	**26.15**	5.00	**4.91**	9.00	**8.73**	6.43	45.29	" "
Rockville	10.02	26.00	**27.20**	5.00	**4.78**	9.00	**8.13**	6.34	43.53	" "
Rockville	10.24	22.00	**24.04**	5.00	**6.05**	8.00	**4.34**	11.39	43.94	" "
Hyattsville	10.40	20.00	**20.45**	5.00	**5.95**	7.00	**5.54**	7.70	49.96	A.
Rockville	8.58	17.00	**19.39**	5.00	**6.19**	6.00	**4.57**	7.40	53.87	D.
Rockville	13.34	8.00	**9.41**	3.00	**4.29**	10.00	**8.64**	4.15	60.17	As declared on sack
Rockville	8.99	18.00	**18.43**	4.50	**5.44**	5.50	**3.55**	6.75	56.84	" "
Centreville	9.71	14.00	**16.40**	1.00	**2.21**	1.50	**1.57**	6.41	63.70	As declared on pack.
Frostburg	6.69	14.00	**15.36**	1.00	**2.08**	1.50	**1.63**	5.76	68.48	" "
Frostburg	8.30	13.70	**20.80**	1.70	**.87**	1.30	**.67**	3.42	65.94	" "
Frostburg	8.23	13.70	**18.87**	1.70	**.80**	1.30	**.67**	4.38	67.05	" "
Annapolis	7.37	20.00	**23.25**	5.00	**5.63**	5.00	**1.97**	6.86	54.92	As declared on pack.
Baltimore	7.42	20.00	**23.48**	5.00	**3.99**	5.00	**2.03**	6.02	57.06	" "
Baltimore	6.08	22.00	**22.73**	2.50	**1.52**	1.25	**1.16**	7.41	61.10	As declared on pack.
Baltimore	5.02	22.00	**22.38**	2.50	**2.42**	1.25	**1.33**	8.12	60.73	" "
Hagerstown	7.31	18.00	**20.62**	2.50	**2.90**	2.00	**3.68**	7.06	58.43	As declared on pack.
Elkton	9.80	18.00	**19.83**	2.50	**1.91**	2.00	**2.22**	5.84	60.40	As declared on pack.
Frostburg	8.50	15.00	**19.21**	1.00	**1.88**	2.00	**1.94**	5.10	63.37	As declared on pack.
Frostburg	9.48	22.10	**22.82**	4.50	**3.96**	5.00	**3.53**	11.08	49.13	As declared on pack.

A—Ingredients on sack differ from license.
B—Unable to detect milo maize and Kaffir corn; also detected steel-cut oats.
C—Fat and fibre guarantee on sack differ from license; unable to detect wheat bran.
D—Also detected corn gluten.

SAMPLED FROM	Calcium Oxide Guaranteed	Calcium Oxide FOUND	Phosphorus P_2O_5 Guaranteed	Phosphorus P_2O_5 FOUND	Salt Guaranteed	Salt FOUND	Iodine Guaranteed	Iodine FOUND	INGREDIENTS
Hampstead	8.00	**44.52**	20.00	**22.40**	.....	.....	Pres.	.01	
Westminster	25.00	**30.80**	20.00	**22.20**	.....	.....	.....	.....	

LIME INSPECTION ACTIVITIES

The lime inspection work performed during the past six months, and conducted in accordance with the law, regulated the registration of liming materials and the collection and analysis of official samples, to determine whether or not the guarantees required to be printed upon the sack were correct.

The 21 official samples of liming material which were secured may be classified as follows: 8 hydrated limes, 12 burnt limes, and 1 ground limestone.

The inspection is for the purpose of protecting the interest of the users of lime. In order that the purchaser may know what he is getting, the law requires a statement of the analysis and this report shows how the composition of the goods compares with that statement.

The law also protects the manufacturer, because the statement of guaranteed analysis which must accompany all limes sold in the State protects the seller of high-grade limes from the competition of inferior products.

Since the availability and, consequently, the agricultural liming value of a ground stone or shell depends upon the fineness of grinding, as well as upon the actual calcium and magnesium contents, our laboratories make a mechanical as well as chemical examination of these products.

TABLES

Pages 68 and 69 contain a detailed report of the results obtained in the regulation of the sale of limes in this State from May 1, 1931, to November 1, 1931. Limes are considered deficient with respect to chemical analysis when they are 1 per cent or more deficient in total oxides.

ANALYSES OF AGRICULTURAL BURNT LIME (OXIDES)

No.	Name of Manufacturer	Name of Lime	Place of Sampling	Calcium Oxide CaO		Magnesium Oxide MgO		Sand & Insol. (no Val.)	Total Oxides CaO+MgO
				Found	Guaranteed	Found	Guaranteed	Found	
2570	S. W. Barrick & Sons, Inc., Woodsboro, Md.	Agricultural Lump Lime ...	Woodsboro....	**88.70**	85.00	**1.37**	5.00	**6.92**	**90.07**
2571	S. W. Barrick & Sons, Inc., Woodsboro, Md.	Pulverized Quick Lime.....	Woodsboro....	**76.38**	65.00	**4.72**	5.00	**8.98**	**81.10**
*2595	Bear Creek Lime Kiln, Friendsville, Md....	Ground Burned Lime.....	Friendsville....	**58.24**	70.00	**2.08**	2.00	**20.53**	**60.32**
2588	Cavetown Planing Mill Co., Cavetown, Md.	Lump Lime.....	Cavetown.....	**75.82**	80.00	**17.87**	2.00	**2.72**	**93.69**
2587	Cavetown Planing Mill Co., Cavetown, Md.	Ground Burned Lime.....	Cavetown.....	**69.89**	80.00	**18.25**	2.00	**4.61**	**88.14**
2572	M. J. Grove Lime Co., Inc., Lime Kiln, Md.	Famous Frederick County Agricultural Lime.....	Frederick.....	**89.60**	86.00	**7.11**	4.00	**.67**	**96.71**
2563	M. J. Grove Lime Co., Inc., Lime Kiln, Md.	Famous Frederick County Ground Lime.....	Frederick.....	**73.25**	75.00	**7.42**	5.00	**5.98**	**80.67**
2596	Marshall Porter, Eckhart, Md.....	Lump Lime.....	Cresaptown....	**82.65**	70.00	**4.45**	13.00	**3.03**	**87.10**
2566	Shank & Etzler Lime Co., Frederick, Md...	Agricultural Lump Lime ...	Frederick.....	**62.38**	60.00	**36.47**	30.00	**.25**	**98.85**
2564	Shank & Etzler Lime Co., Frederick, Md...	Ground Burned Lime.....	Frederick.....	**62.61**	55.00	**18.27**	25.00	**13.45**	**80.88**
*2568	Stoner & Powell, Woodsboro, Md.....	Old Reliable Fountain Rock Lump Lime.....	Woodsboro....	**82.87**	85.00	**1.97**	2.00	**13.77**	**84.84**
*2567	Stoner & Powell, Woodsboro, Md.....	Old Reliable Fountain Rock Ground Burnt Lime	Woodsboro....	**65.74**	75.00	**4.51**	8.00	**9.60**	**70.25**

ANALYSES OF AGRICULTURAL HYDRATED LIME

2561	S. W. Barrick & Sons, Inc., Woodsboro, Md.	Hydrated Lime.....	Hampstead....	**62.49**	60.00	**4.91**	5.00	**10.94**	**67.40**
2554	LeGore Lime Co., LeGore, Md.....	Hydrated Lime.....	Baltimore.....	**63.28**	60.00	**5.65**	5.00	**5.20**	**68.93**
2556	North Amer. Cement Corp., Hagerst'n, Md.	Berkeley Hydrated Lime...	Ellicott City...	**71.34**	70.00	**2.41**	2.00	**.21**	**73.75**
2565	Shank & Etzler Lime Co., Frederick, Md...	Hydrated Lime.....	Frederick.....	**47.26**	45.00	**26.85**	20.00	**9.93**	**74.11**
2562	H. M. Spahr Lime & Stone Company, Thurmont, Md.....	Calimag Hydrated Lime ...	Thurmont.....	**41.44**	50.00	**28.50**	15.00	**6.12**	**69.94**
*2569	Stoner & Powell, Woodsboro, Md.....	Old Reliable Fountain Rock Hydrated Lime....	Woodsboro....	**52.86**	60.00	**7.64**	2.00	**11.20**	**60.50**
2555	Superior Lime Co., York, Pa.....	Superior Brand Lime.....	Baltimore.....	**64.06**	65.00	**8.59**	5.00	**.30**	**72.65**
2558	Washington Bldg. Lime Co., Balto., Md....	Standard Hydrated Lime...	Gaithersburg..	**72.57**	70.00	**1.33**	2.00	**.47**	**73.90**

* Indicates product deficient in total oxides.

ANALYSES OF AGRICULTURAL LIMESTONE, MARL, AND OYSTER SHELLS

2555	Superior Lime Co., York, Pa.....	Superior Brand Lime.....	Baltimore.....	**64.06**	65.00	**8.59**	5.00	**.30**	**72.65**
2558	Washington Bldg. Lime Co., Balto., Md....	Standard Hydrated Lime...	Gaithersburg..	**72.57**	70.00	**1.33**	2.00	**.47**	**73.90**

* Indicates product deficient in total oxides.

ANALYSES OF AGRICULTURAL LIMESTONE, MARL, AND OYSTER SHELLS

2557	Standard Lime & Stone Co., Balto., Md....	†Pulverized Limestone.....	Sykesville.....	**54.12**	53.20	**.87**	.50	**.74**	**54.99**

† Ground shell or stone, mechanical analyses shown below.

TABLE II—SHOWING MECHANICAL ANALYSIS OF GROUND LIMESTONE AND GROUND OYSTER SHELLS.

For the Chemical Analyses of these Samples, see preceding table. Figures are percentages or pounds per hundred. "Mesh" indicates the sieve used; "20 Mesh" has 20 wires to the inch.

No.	Name of Manufacturer	Name of Lime or Kind	Finer than 100 Mesh	Between 80 & 100 Mesh	Between 60 & 80 Mesh	Between 40 & 60 Mesh	Between 20 & 40 Mesh	Coarser than 20 Mesh
2557	Standard Lime & Stone Co., Baltimore, Md.....	Pulverized Limestone.....	100	0	0	0	0	0